

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 10.5751 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767a-3_COPY_1_46

Perfect score: 46

Sequence: 1 ctatcatatataacgtt.....aggcgggcggtgtgggtttt 46

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/5A-COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B-COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PTUS-COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	16	34.8	601	4	US-09-949-016-19898
2	16	34.8	601	4	US-09-949-016-19899
3	16	34.8	601	4	US-09-949-016-19900
4	16	34.8	601	4	US-09-949-016-19901
5	16	34.8	601	4	US-09-949-016-113158
6	16	34.8	601	4	US-09-949-016-113159
7	16	34.8	601	4	US-09-949-016-113160
8	16	34.8	601	4	US-09-949-016-113161
9	16	34.8	601	4	US-09-949-016-137266
10	16	34.8	1582	3	US-09-180-109A-32
11	16	34.8	1663	3	US-08-827-171B-1
12	16	34.8	1663	4	US-09-588-995A-88
13	16	34.8	1663	4	US-09-598-062-1
14	16	34.8	2576	4	US-09-949-016-1105
15	16	34.8	2585	4	US-09-949-016-3121
16	16	34.8	25227	4	US-09-949-016-11847
17	16	34.8	25227	4	US-09-949-016-14863
18	16	34.8	70308	4	US-09-949-016-15601
19	15	32.6	176	4	US-09-270-767-23682
20	15	32.6	182	4	US-09-471-276-520
21	15	32.6	229	4	US-09-270-767-27023
22	15	32.6	461	4	US-09-270-767-13668
23	15	32.6	484	4	US-09-621-976-10075
24	15	32.6	601	4	US-09-949-016-18602
25	15	32.6	601	4	US-09-949-016-27340
26	15	32.6	601	4	US-09-949-016-47866
27	15	32.6	601	4	US-09-949-016-53938

ALIGNMENTS

RESULT 1

US-09-949-016-19898
; Sequence 19898, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19898
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-19898

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TATTCATATATAAC 17

Db 70 TATTCATATATAAC 85

RESULT 2

US-09-949-016-19899
; Sequence 19899, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

Sequence 82445, A
Sequence 82446, A
Sequence 82447, A
Sequence 82448, A
Sequence 82458, A
Sequence 82459, A
Sequence 82460, A
Sequence 82461, A
Sequence 118219, A
Sequence 188894, A
Sequence 188895, A
Sequence 188896, A
Sequence 188897, A
Sequence 188900, A
Sequence 188901, A
Sequence 188902, A
Sequence 188903, A
Sequence 10218, A

; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19899
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-19899

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAAC 17
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Db 101 TATTCATATATAAAC 116

RESULT 3
US-09-949-016-19900
; Sequence 19900, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19900
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-19900

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAAC 17
|||||
Db 143 TATTCATATATAAAC 158

RESULT 4
US-09-949-016-19901
; Sequence 19901, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19901
; LENGTH: 601

; TYPE: DNA
; ORGANISM: Human
US-09-949-016-19901

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAAC 17
|||||
Db 217 TATTCATATATAAAC 232

RESULT 5
US-09-949-016-113158
; Sequence 113158, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113158
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113158

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAAC 17
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Db 70 TATTCATATATAAAC 85

RESULT 6
US-09-949-016-113159
; Sequence 113159, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113159
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113159

Query Match 34.8%; Score 16; DB 4; Length 601;

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Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 101 TATTCATATATAAC 116

RESULT 7
US-09-949-016-113160
; Sequence 113160, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113160
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113160

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 143 TATTCATATATAAC 158

RESULT 8
US-09-949-016-113161
; Sequence 113161, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113161
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113161

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 143 TATTCATATATAAC 158

RESULT 9
US-09-949-016-137266
; Sequence 137266, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137266
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137266

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 GAGGCGGGCGGTGG 41
Db 533 GAGGCGGGCGGTGG 548

RESULT 10
US-09-180-109A-32
; Sequence 32, Application US/09180109A
; Patent No. 6410293
; GENERAL INFORMATION:
; APPLICANT: MUKUMOTO, Fujio
; APPLICANT: NISHIO, Shoichi
; APPLICANT: AKIMARU, Jiro
; APPLICANT: MITSUDA, Satoshi
; TITLE OF INVENTION: DNA Fragments Containing Biotin Biosynthetase Gene and
; FILE REFERENCE: Use of the Same
; FILE REFERENCE: 0152-0490P
; CURRENT APPLICATION NUMBER: US/09/180,109A
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 09/047838 JAPAN
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 32
; LENGTH: 1582
; TYPE: DNA
; ORGANISM: Spingomonas paucimobilis
; FEATURE:
; OTHER INFORMATION: Strain = JCM7511
; NAME/KEY: CDS
; LOCATION: (489)..(1337)
US-09-180-109A-32

Query Match 34.8%; Score 16; DB 3; Length 1582;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGG 40
Db 1283 AGAGCGGGCGGTGG 1298
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RESULT 11
US-08-827-171B-1
; Sequence 1, Application US/08827171B
; Patent No. 6254869
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; TITLE OF INVENTION: PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TITLE OF INVENTION: TREATMENT, DIAGNOSIS AND
; TITLE OF INVENTION: DETECTION OF
; TITLE OF INVENTION: CRYPTOSPORIDIUM PARVUM
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171B
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Verny
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1663 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: Cryptosporidium parvum
US-08-827-171B-1
Query Match 34.8%; Score 16; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATA 16
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Db 1540 CTATTCATATATATA 1555

RESULT 12
US-09-588-995A-88
; Sequence 88, Application US/09588995A
; Patent No. 6514697
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: BARNES, DEBRA A.
; APPLICANT: NELSON, RICHARD C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND
; TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-5

; CURRENT APPLICATION NUMBER: US/09/588,995A
; CURRENT FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: 08/827,171
; PRIOR FILING DATE: 1997-03-27
; PRIOR APPLICATION NUMBER: 08/928,361
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 08/700,651
; PRIOR FILING DATE: 1996-08-14
; PRIOR APPLICATION NUMBER: 08/415,751
; PRIOR FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 88
; LENGTH: 1663
; TYPE: DNA
; ORGANISM: Cryptosporidium parvum
US-09-588-995A-88
Query Match 34.8%; Score 16; DB 4; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATA 16
|||
Db 1540 CTATTCATATATATA 1555

RESULT 13
US-09-598-062-1
; Sequence 1, Application US/09598062
; Patent No. 6759044
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,062
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Verny
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1663 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

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; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: Cryptosporidium parvum
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-598-062-1

Query Match      34.8%; Score 16; DB 4; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTATTCATATATATA 16
Db      1540 CTATTCATATATATA 1555

RESULT 14
US-09-949-016-105/c
; Sequence 105, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 105
; LENGTH: 2576
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-105

Query Match      34.8%; Score 16; DB 4; Length 2576;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 TATTCATATATATAAC 17
Db      1797 TATTCATATATATAAC 1782

RESULT 15
US-09-949-016-3121/c
; Sequence 3121, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3121
; LENGTH: 2585
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3121
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1804 TATTCATATATATAAC 1789

Search completed: September 27, 2005, 07:59:03
Job time : 11.5751 secs
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Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 70.8497 Seconds
(without alignments)
4341.140 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_46

Perfect score: 46
Sequence: 1 ctattcatatataacggtt.....aggcggggcggtgtgggtttt 46

Scoring table: OLIGO_NUC
Gapop_60.0 , Gapext 60.0

Searched: 7400732 seqs, 3343137571 residues

Word size : 0

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications NA.*

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- 2: /cgn2_6/ptodata/1/pubpna/FCI_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
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- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	46	100.0	29544	9	US-09-464-767-1
3	46	100.0	32745	9	US-09-464-767-3
4	46	100.0	32745	9	US-09-464-767-3
5	18	39.1	748	20	US-10-363-345A-5719
6	18	39.1	748	20	US-10-363-345A-5720
7	18	39.1	748	20	US-10-363-345A-12197

c	8	18	39.1	748	20	US-10-363-345A-12198	Sequence 12198, A
c	9	18	39.1	748	21	US-10-363-483A-5719	Sequence 5719, Ap
c	10	18	39.1	748	21	US-10-363-483A-5720	Sequence 5720, Ap
c	11	18	39.1	748	21	US-10-363-483A-12197	Sequence 12197, A
c	12	18	39.1	748	21	US-10-363-483A-12198	Sequence 12198, A
c	13	17	37.0	718	15	US-10-259-165-275	Sequence 275, App
c	14	17	37.0	1321	20	US-10-425-115-11988	Sequence 11988, A
c	15	16	34.8	195	18	US-10-424-599-104185	Sequence 104185, A
c	16	16	34.8	391	18	US-10-425-114-25653	Sequence 25653, A
c	17	16	34.8	426	20	US-10-357-930-60951	Sequence 60951, A
c	18	16	34.8	465	9	US-09-880-107-17	Sequence 17, Appl
c	19	16	34.8	480	20	US-10-357-930-57644	Sequence 57644, A
c	20	16	34.8	556	13	US-10-027-632-106409	Sequence 106409, A
c	21	16	34.8	556	17	US-10-027-632-106409	Sequence 106409, A
c	22	16	34.8	579	13	US-10-027-632-22439	Sequence 22439, A
c	23	16	34.8	579	17	US-10-027-632-22439	Sequence 22439, A
c	24	16	34.8	648	20	US-10-363-345A-543	Sequence 543, App
c	25	16	34.8	648	20	US-10-363-345A-544	Sequence 544, App
c	26	16	34.8	648	21	US-10-363-483A-543	Sequence 543, App
c	27	16	34.8	648	21	US-10-363-483A-544	Sequence 544, App
c	28	16	34.8	657	19	US-10-437-963-39274	Sequence 39274, A
c	29	16	34.8	751	13	US-10-027-632-141229	Sequence 141229, A
c	30	16	34.8	751	13	US-10-027-632-141230	Sequence 141230, A
c	31	16	34.8	751	13	US-10-027-632-141231	Sequence 141231, A
c	32	16	34.8	751	17	US-10-027-632-141229	Sequence 141229, A
c	33	16	34.8	751	17	US-10-027-632-141230	Sequence 141230, A
c	34	16	34.8	751	17	US-10-027-632-141231	Sequence 141231, A
c	35	16	34.8	816	19	US-10-437-963-7495	Sequence 7495, Ap
c	36	16	34.8	894	20	US-10-363-345A-23959	Sequence 23959, A
c	37	16	34.8	894	20	US-10-363-345A-23960	Sequence 23960, A
c	38	16	34.8	894	21	US-10-363-483A-23959	Sequence 23959, A
c	39	16	34.8	894	21	US-10-363-483A-23960	Sequence 23960, A
c	40	16	34.8	1326	20	US-10-425-115-7202	Sequence 7202, Ap
c	41	16	34.8	1327	19	US-10-437-963-102044	Sequence 102044, A
c	42	16	34.8	1374	20	US-10-739-930-2317	Sequence 2317, Ap
c	43	16	34.8	1391	20	US-10-425-115-7205	Sequence 7205, Ap
c	44	16	34.8	1466	19	US-10-437-963-54711	Sequence 54711, A
c	45	16	34.8	1663	20	US-10-867-888-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

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Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CTATTTCATATATATACGTTGCACAGAGCGCGGCGTGTGGGTTTT 46

RESULT 2

US-09-464-767-1/c
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match 100.0%; Score 46; DB 9; Length 29544;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CTATTCATATATATACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46

RESULT 4
US-09-464-767-3/c
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745

; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
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; Sequence 5719, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Method for determining the degree of methylation of defined nucleic acids
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5719
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5719
US-10-363-345A-5719

Query Match 39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 185 AGAGCGGGCGGTGTGGG 202

RESULT 6
US-10-363-345A-5720/c
; Sequence 5720, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined nucleic acids
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5720
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5720
US-10-363-345A-5720

Query Match 39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42

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Db          564 AGAGCGGGCGGTGTGGG 547
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RESULT 7
US-10-363-345A-12197
; Sequence 12197, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12197
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12197
US-10-363-345A-12197

Query Match          39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
Db 94 AGAGCGGGCGGTGTGGG 111
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RESULT 8
US-10-363-345A-12198/c
; Sequence 12198, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12198
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12198
US-10-363-345A-12198

Query Match          39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
Db 655 AGAGCGGGCGGTGTGGG 638
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RESULT 9
US-10-363-483A-5719
; Sequence 5719, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
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; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5719
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5719
US-10-363-483A-5719

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
Db 185 AGAGCGGGCGGTGTGGG 202
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RESULT 10
US-10-363-483A-5720/c
; Sequence 5720, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5720
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5720
US-10-363-483A-5720

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
Db 564 AGAGCGGGCGGTGTGGG 547
|||||

RESULT 11
US-10-363-483A-12197
; Sequence 12197, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
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; SEQ ID NO 12197
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12197
US-10-363-483A-12197

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGCGTGGG 42
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DB 94 AGAGCGGGCGCGTGGG 111

RESULT 12
US-10-363-483A-12198/c
; Sequence 12198, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; TITLE OF INVENTION: illnesses
; FILE REFERENCES: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12198
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12198
US-10-363-483A-12198

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGCGTGGG 42
    |||||
DB 655 AGAGCGGGCGCGTGGG 638

RESULT 13
US-10-259-165-275
; Sequence 275, Application US/10259165
; Publication No. US20030135888A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Xun
; APPLICANT: Chang, Hur-song
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Glazebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyaoki
; APPLICANT: Kreps, Joel
; APPLICANT: Moughamer, Todd
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; TITLE OF INVENTION: GENES THAT ARE MODULATED BY POSTTRANSCRIPTIONAL GENE SILENCING
; FILE REFERENCE: 70030-NP
; CURRENT APPLICATION NUMBER: US/10/259,165
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
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; PRIOR APPLICATION NUMBER: US 60/368,327
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentList.pl version 3.0.4 (C) 2001 Syngenta
; SEQ ID NO 275
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-259-165-275

Query Match          37.0%; Score 17; DB 15; Length 718;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 AGCGGGCGCGTGGGT 43
    |||||
DB 65 AGCGGGCGCGTGGGT 81

RESULT 14
US-10-425-115-11988/c
; Sequence 11988, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 11988
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_11092C.1
US-10-425-115-11988

Query Match          37.0%; Score 17; DB 20; Length 1321;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 CAGAGCGGGCGGTGTG 40
    |||||
DB 1046 CAGAGCGGGCGGTGTG 1030

RESULT 15
US-10-424-599-104185
; Sequence 104185, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 104185
; LENGTH: 195
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_65095C.1
US-10-424-599-104185

Query Match 34.8%; Score 16; DB 18; Length 195;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 59 TATTCATATATATAAC 74

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OM nucleic - nucleic search, using sw model

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Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTCUS COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23.4	50.9	1610	3	US-09-276-531-56
C 2	22.8	49.6	1467	4	US-09-270-767-14472
3	22.6	49.1	601	4	US-09-949-016-68507
4	22.6	49.1	13102	4	US-09-949-016-17552
C 5	22.6	49.1	130724	4	US-09-949-016-13753
6	22.4	48.7	16404	4	US-09-949-016-16126
C 7	22.4	48.7	104077	4	US-09-949-016-13593
C 8	21.8	47.4	298336	4	US-09-949-016-16600
9	21.6	47.0	725	4	US-09-640-211A-2
C 10	21.6	47.0	346112	4	US-09-949-016-13165
C 11	21.4	46.5	522	4	US-09-328-352-1166
C 12	21.4	46.5	317366	4	US-09-949-016-16001
13	21.2	46.1	58821	4	US-09-949-016-15897
14	21.2	46.1	58824	4	US-09-949-016-15897
15	21.2	46.1	58830	4	US-09-949-016-15897
C 16	20.8	45.2	601	4	US-09-949-016-16859
C 17	20.8	45.2	601	4	US-09-949-016-122409
C 18	20.8	45.2	601	4	US-09-949-016-122418
C 19	20.8	45.2	27968	4	US-09-489-039A-2924
C 20	20.8	45.2	27968	4	US-09-949-016-15191
C 21	20.8	45.2	85865	4	US-09-949-016-17345
C 22	20.8	45.2	187169	4	US-09-949-016-12776
23	20.8	45.2	191569	4	US-09-949-016-15940
24	20.6	44.8	601	4	US-09-949-016-84051
25	20.6	44.8	601	4	US-09-949-016-84052
C 26	20.6	44.8	717	4	US-09-270-767-2883
C 27	20.6	44.8	717	4	US-09-270-767-17965

C 28	20.6	44.8	10720	4	US-09-949-016-17443	Sequence 17443, A
29	20.6	44.8	31423	4	US-09-949-016-16442	Sequence 16442, A
30	20.6	44.8	39299	4	US-09-949-016-16625	Sequence 16625, A
31	20.6	44.8	135476	4	US-09-949-016-12611	Sequence 12611, A
32	20.6	44.8	135476	4	US-09-949-016-14413	Sequence 14413, A
33	20.6	44.8	206433	4	US-09-949-016-13527	Sequence 13527, A
34	20.6	44.8	254778	4	US-09-949-016-12417	Sequence 12417, A
35	20.6	44.8	455726	4	US-09-949-016-14157	Sequence 14157, A
C 36	20.6	44.8	481115	4	US-09-949-016-11940	Sequence 11940, A
C 37	20.4	44.3	601	4	US-09-949-016-83315	Sequence 83315, A
C 38	20.4	44.3	7571	4	US-09-949-016-4366	Sequence 4366, Ap
C 39	20.4	44.3	8146	4	US-09-976-594-725	Sequence 725, Ap
C 40	20.4	44.3	11917	4	US-09-566-921-32	Sequence 32, Ap
C 41	20.4	44.3	54601	4	US-09-949-016-14173	Sequence 14173, A
C 42	20.4	44.3	101300	4	US-09-949-016-16108	Sequence 16108, A
C 43	20.4	44.3	155617	4	US-09-949-016-16191	Sequence 16191, A
C 44	20.2	43.9	384	4	US-09-602-777A-375	Sequence 375, Ap
C 45	20.2	43.9	601	4	US-09-949-016-175940	Sequence 175940, A

ALIGNMENTS

RESULT 1

US-09-276-531-56

; Sequence 56, Application US/09276531

; Patent No. 6183968

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Lal, Preeti

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Yue, Henry

; APPLICANT: Reddy, Roopa

; APPLICANT: Guegler, Karl J.

; APPLICANT: Baughn, Mariah R.

; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING

; TITLE OF INVENTION: RECEPTORS AND PROTEINS ASSOCIATED WITH CELL PROLIFERATION

; NUMBER OF SEQUENCES: 134

; CORRESPONDENCE ADDRESS:

; ADDRESS: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE

; CITY: PALO ALTO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/276,531

; FILING DATE: Herewith

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/079,677

; FILING DATE: March 27, 1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Lynn E. Murty, Ph.D.

; REGISTRATION NUMBER: 42,918

; REFERENCE/DOCKET NUMBER: PA-0008 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (650) 855-0555

; TELEFAX: (650) 845-4166

; INFORMATION FOR SEQ ID NO: 56:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1610 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: BRAIT08

CLONE: 1396833
US-09-276-531-56

Query Match 50.9%; Score 23.4; DB 3; Length 1610;
Best Local Similarity 73.2%; Pred. No. 2.7;
Matches 30; Conservative 0; Mismatches 0; Gaps 0;

QY 6 CATATATATACGTTGCACAGAGCGGGCGGTGTGGGTTT 46
|||||
Db 311 CATGATATAAGTTCCAAAGCAGCGGGGTTTGTCATT 351
|||||

RESULT 2
US-09-270-767-14472/c
; Sequence 14472, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14472
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: *Drosophila melanogaster*
; FEATURE:
; OTHER INFORMATION: n means any nucleotide
US-09-270-767-14472

Query Match 49.6%; Score 22.8; DB 4; Length 1467;
Best Local Similarity 71.4%; Pred. No. 4.7;
Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 CTATTCATATATAACGTTGCACAGAGCGGGCGGTGTGGG 42
|||||
Db 1152 CTATACACATAGATATCGTTGCAGAGATGCGATTAGTCTAGG 1111
|||||

RESULT 3
US-09-949-016-68507
; Sequence 68507, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68507
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-68507

Query Match 49.1%; Score 22.6; DB 4; Length 601;
Best Local Similarity 68.9%; Pred. No. 4.3;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTCATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 105 CTATTTATATATATATATATACACACAGCTATGTGTGTGTGT 149
|||||

RESULT 4

US-09-949-016-17552
; Sequence 17552, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17552
; LENGTH: 13102
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17552

Query Match 49.1%; Score 22.6; DB 4; Length 13102;
Best Local Similarity 68.9%; Pred. No. 12;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 9429 CTGTCCCTGTTTAAACCCCTTCTCAGAGCCGCGGTGTGGCTT 9473
|||||

RESULT 5

US-09-949-016-13753/c
; Sequence 13753, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13753
; LENGTH: 130724
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(130724)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13753

Query Match 49.1%; Score 22.6; DB 4; Length 130724;
Best Local Similarity 68.9%; Pred. No. 25;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 97350 CTATTTATATATATATATATATACACACAGCTATGTGTGTGTGT 97306
|||||

```

RESULT 6
US-09-949-016-16126
; Sequence 16126, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 16126
; LENGTH: 16404
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16126

Query Match      48.7%; Score 22.4; DB 4; Length 16404;
Best Local Similarity 72.5%; Pred. No. 16;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy    2   TATTTCATATATAACGTTGCACAGAGCGGGCGGTGTGG 41
      ||| ||||| ||||| ||||| ||||| ||||| |||||
Db    14434 TATATTTTATATATGTCACAAATGCTGGGCTGTGG 14473

RESULT 7
US-09-949-016-13593/c
; Sequence 13593, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 13593
; LENGTH: 104077
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(104077)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13593

```

Query Match	48.7%	Score 22.4;	DB 4;	Length 104077;
Best Local Similarity	81.2%	Prod. No. 29;		
Matches 26;	Conservative 0;	Mismatches 6;	Indels 0;	Gaps 0;
Qy	2	TATTCATATATATACGTTGCACAGAGCGGG	33	
Db	50413	TATTCATATATATACCTTGACACAGGCGCTGG	50382	

```

RESULT 8
US-09-949-016-16600/c
; Sequence 16600, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16600
; LENGTH: 298336
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(298336)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16600

```

```

Query Match      47.4%; Score 21.8; DB 4; Length 298336;
Best Local Similarity 78.8%; Pred. No. 74;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy      4   TTCATATATATAACGTTTGACAGAGCGGGCGC 36
Db      277963 TTAATATATAGACATGGGACTGAGGCAGGCG 277931

```

```

RESULT 9
US-09-640-211A-2
; Sequence 2, Application US/09640211A
; Patent NO. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 725
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-09-640-211A-2

```

Query Match 47.0%; Score 21.6; DB 4; Length 725;
Best Local Similarity 68.2%; Pred. No. 13;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 2 TATTTCATATATAAACGTTGCACAGAGCGGGCGTGGGTTT 45
Db 549 TATTTCATATATGTAATGAATGATACAGAAAGGTTGTCGGTGTAT 592

RESULT 10
US-09-949-016-13165/c
; Sequence 13165, Application US/09949016
; Patent No. 6812339

```

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13165
; LENGTH: 346112
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(346112)
; OTHER INFORMATION: n = A,T,C or G
; US-09-949-016-13165

```

Query Match	47.0%	Score 21.6;	DB 4;	Length 346112;
Best Local Similarity	68.2%;	Pred. No. 95;		
Matches 30;	Conservative	0;	Mismatches 14;	Indels 0;
Gaps	0;			

Qy	1	C	T	A	T	T	C	A	T	A	T	A	T	A	A	C	G	T	T	G	C	A	G	A	G	G	G	G	C	G	T	G	T	G	G	G	T	44
Db	42429	C	A	A	T	C	T	T	G	T	A	T	T	A	A	C	G	T	A	T	C	A	T	A	T	A	G	G	T	G	G	G	C	G	C	T	42386	

RESULT 11

```

US-09-328-352-1166/c
; Sequence 1166, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 1166
; LENGTH: 522
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-1166

```

Query Match	Score	DB	Length
Best Local Similarity	46.5%	21.4	522
Matches	71.8%	pred. No. 14	
Conservative	0	Mismatches	0
Indels	11	Gaps	0

Qy 7 ATATATAACGTTGCACAGAGCGGGCGTGTGGTTTT 45
||| ||||| ||||| | | | | | | |
pB 378 ATAGATATAACGTTGTCATCGTGTCTGGGCCCTTGCCCTTT 340

RESULT 12

US 09-949-016-16001/C
 ? Sequence 16001, Application US/09949016
 ? Patent No. 6812339
 ? GENERAL INFORMATION:
 ? APPLICANT: VENTER, J. Craig et al.
 ? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ? WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ? FILE REFERENCE: CL001307
 ? CURRENT APPLICATION NUMBER: US/09/949,016
 ? CURRENT FILING DATE: 2000-04-14
 ? PRIOR APPLICATION NUMBER: 60/241,755

```

; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16001
; LENGTH: 317366
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(317366)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16001

```

Query Match	46.5%	Score 21.4;	DB 4;	Length 317366;
Best Local Similarity	71.8%;	Pred. No. 1.1e+02;		
Matches 28;	Conservative	0;	Mismatches 11;	Indels 0;
Gaps	0;			

Qy

2 TATT CATATATAAACGTTGCACAGAGCGGGCGGTG 40
| | | | | | | | | | | | | | | | | |
Db

269520 TGTTGATATATATTGTAGCACAGAGGTGGTCCCTG 269482

RESULT 13

```

US-09-949-016-15897
; Sequence 15897, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15897
; LENGTH: 58821
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15897

```

Query Match 46.1%; Score 21.2; DB 4; Length 58821;
Best Local Similarity 88.5%; Pred. No. 80;

Qy 20 TGCACAGGCGGGCGTGTGGTTT 45
Db 46544 TGTACAGAGCGGGTGTGTGAGTTT 46569

RESULT 14

US-09-949-016-12615
Sequence 12615, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C0001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20

```
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12615
; LENGTH: 58824
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-09-949-016-12615
```

```
Query Match 46.1%; Score 21.2; DB 4; Length 58824;
Best Local Similarity 88.5%; Pred. No. 80;
Matches 23; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 20 TGCACAGAGCGGGCGGTGTGGGTTT 45
||| ||||| ||||| ||||| |||||
Db 46548 TGTACAGAGCGGGCGGTGTGTGTTT 46573
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RESULT 15

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US-09-949-016-16859
; Sequence 16859, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16859
; LENGTH: 99830
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(99830)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16859
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Query Match 45.7%; Score 21; DB 4; Length 99830;
Best Local Similarity 66.7%; Pred. No. 1.2e+02;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
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||| ||||| ||||| ||||| ||||| |||||
Db 83275 CTATACATATATAGACATACACAGAGCGGTGTGTGTATGT 83319
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Search completed: September 26, 2005, 09:35:53
Job time : 14.5571 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 45.8917 Seconds
(without alignments)
6702.051 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_46

Perfect score: 46
Sequence: 1 ctattcatatataacgtt.....aggcggggcgtgtgggtttt 46

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
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- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10J_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	46	100.0	32745	9	US-09-464-767-3
c	4	46	100.0	32745	9 US-09-464-767-3
	5	24.8	53.9	2779	13 US-10-027-632-111603
	6	24.8	53.9	2779	17 US-10-027-632-111603
	7	22.8	49.6	5443	15 US-10-311-455-1351

c	8	22.6	49.1	734	13	US-10-027-632-18281	Sequence 18281, A
c	9	22.6	49.1	734	13	US-10-027-632-18282	Sequence 18282, A
c	10	22.6	49.1	734	13	US-10-027-632-18283	Sequence 18283, A
c	11	22.6	49.1	734	17	US-10-027-632-18281	Sequence 18281, A
c	12	22.6	49.1	734	17	US-10-027-632-18282	Sequence 18282, A
c	13	22.6	49.1	734	17	US-10-027-632-18283	Sequence 18283, A
c	14	22.4	48.7	3620	18	US-10-276-774-893	Sequence 893, App
c	15	22.4	48.7	30072	13	US-10-087-192-457	Sequence 457, App
c	16	22.4	48.7	32404	11	US-09-997-722-160	Sequence 160, App
c	17	22.2	48.3	319	11	US-09-732-627A-3161	Sequence 3161, App
c	18	22.2	48.3	65952	19	US-10-322-696-163	Sequence 163, App
c	19	22.2	48.3	152330	13	US-10-087-192-1834	Sequence 1834, App
c	20	22.2	48.3	684187	19	US-10-367-094-71	Sequence 71, Appl
c	21	21.8	47.4	201	20	US-10-719-993-1067	Sequence 1067, App
c	22	21.8	47.4	413	19	US-10-674-124A-21096	Sequence 21096, A
c	23	21.8	47.4	1408	18	US-10-425-114-28898	Sequence 28898, A
c	24	21.8	47.4	3356	20	US-10-719-993-22	Sequence 22, Appl
c	25	21.6	47.0	624	19	US-10-767-701-22520	Sequence 22520, A
c	26	21.6	47.0	725	20	US-10-856-499-2	Sequence 2, Appl
c	27	21.6	47.0	44413	21	US-10-741-600-17915	Sequence 17915, A
c	28	21.4	46.5	540	13	US-10-027-632-92159	Sequence 92159, A
c	29	21.4	46.5	540	13	US-10-027-632-307593	Sequence 307593, A
c	30	21.4	46.5	540	17	US-10-027-632-92159	Sequence 92159, A
c	31	21.4	46.5	540	17	US-10-027-632-307593	Sequence 307593, A
c	32	21.4	46.5	599	20	US-10-425-115-165977	Sequence 165977, A
c	33	21.4	46.5	189013	21	US-10-484-577-669	Sequence 669, App
c	34	21.2	46.1	684	13	US-10-027-632-13718	Sequence 13718, A
c	35	21.2	46.1	684	17	US-10-027-632-13718	Sequence 13718, A
c	36	21.2	46.1	130427	14	US-10-175-533-87	Sequence 87, Appl
c	37	21.2	46.1	130427	24	US-11-099-266-87	Sequence 87, Appl
c	38	21	45.7	189	20	US-10-425-115-62989	Sequence 62989, A
c	39	21	45.7	245	17	US-10-242-535A-4214	Sequence 4214, App
c	40	21	45.7	245	18	US-10-085-783A-4214	Sequence 4214, App
c	41	21	45.7	511	19	US-10-767-701-17050	Sequence 17050, A
c	42	21	45.7	560	14	US-10-029-495-1	Sequence 1, Appl
c	43	21	45.7	655	13	US-10-027-632-279464	Sequence 279464, A
c	44	21	45.7	655	17	US-10-027-632-279464	Sequence 279464, A
c	45	21	45.7	849	13	US-10-027-632-261907	Sequence 261907, A

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score 46;	DB 9;	Length 29544;
Best Local Similarity	100.0%	Pred. No. 1.5e-08;		
Matches	46;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	CTATTTCATATATATACCGTTGCACAGAGCGGGCGGTGTGGGTTTT	46	
Db	1	CTATTTCATATATATACCGTTGCACAGAGCGGGCGGTGTGGGTTTT	46	
RESULT 2				

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US-09-464-767-1/c
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match      100.0%; Score 46; DB 9; Length 29544;
Best Local Similarity 100.0%; Pred. No. 1.5e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 29544 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 29499

RESULT 3
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match      100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46

RESULT 4
US-09-464-767-3/c
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3/c
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; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match      100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 29574 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 29529

RESULT 5
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111603
; LENGTH: 2779
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603

Query Match      53.9%; Score 24.8; DB 13; Length 2779;
Best Local Similarity 72.7%; Pred. No. 6.3;
Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 3 ATTTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 1972 ATTAAATATATATACGCTTCACAAAGAGGGGGCGCAAGGTTTT 2015

RESULT 6
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111603
; LENGTH: 2779
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111603
; LENGTH: 2779
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603

Query Match          53.9%; Score 24.8; DB 17; Length 2779;
Best Local Similarity 72.7%; Pred. No. 6.3;
Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 3 ATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
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DB 1972 ATTAATATATATGACGCTTCACAAAGGAGGGCGGCGAAGGTTTT 2015

RESULT 7
US-10-311-455-1351
; Sequence 1351, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation of Cytosine
; TITLE OF INVENTION: Cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1351
; LENGTH: 5443
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1351

Query Match          49.6%; Score 22.8; DB 15; Length 5443;
Best Local Similarity 71.4%; Pred. No. 49;
Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 TTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 45
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 3861 TTGCTTTAAGAAATTTAAAGAGCGGGCGGTAGTGGTTT 3902

RESULT 8
US-10-027-632-18281/c
; Sequence 18281, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

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US-10-027-632-18283/c
; Sequence 18283, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 18283
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18283

Query Match          49.1%; Score 22.6; DB 13; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGCGCGGGCGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 11
US-10-027-632-18281/c
; Sequence 18281, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 18281
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18281
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Query Match          49.1%; Score 22.6; DB 17; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGCGCGGGCGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 12
US-10-027-632-18282/c
; Sequence 18282, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 18282
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18282

Query Match          49.1%; Score 22.6; DB 17; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGCGCGGGCGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 13
US-10-027-632-18283/c
; Sequence 18283, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
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Query Match 48.7%; Score 22.4; DB 13; Length 30072;
Best Local Similarity 72.5%; Pred. No. 1e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0;

Query Match 48.7%; Score 22.4; DB 13; Length 30072;
Best Local Similarity 72.5%; Pred. No. 1e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0;

Query Match	49.1%	Score 22.6;	DB 17;	Length 734;
Best Local Similarity	75.7%	Pred. No. 39;		
Matches 28;	Conservative	0;	Mismatches 9;	Indels 0;
Gaps 0;				

Search completed: September 26, 2005, 17:25:05
Job time : 48.8917 secs

Search completed: September 26, 2005, 17:25:05
Job time : 48.8917 secs

Query Match	48.7%	Score 22.4;	DB 18;	Length 3620;
Best Local Similarity	72.5%;	Pred. No. 67;		
Matches 29; Conservative	0;	Mismatches 11;	Indels 0;	Gaps 0;

Qy 2 TATTTCATATATAACGTTGCACAGAGCGGGCGGTGG 41
 ||| | | | | | | | | | | | | | | | | | | |
Db 792 TATATATTTTATATAAATGGTAACAATGGCTGGGGGTGG 753

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 114.947 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500

Perfect score: 500
Sequence: 1 cttatcatatataacgtt.....tcttaaaataagcccaacc 500

Scoring table: OLIGO_NUC
Gapop_60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B COMB.seq: *
5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq: *
6: /cgn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	4.6	18534	4	US-09-949-016-13519 Sequence 13519, A
2	21	4.2	1455	4	US-09-252-991A-7678 Sequence 7678, Ap
3	21	4.2	1485	4	US-09-252-991A-7528 Sequence 7528, Ap
C 4	21	4.2	3342	4	US-09-252-991A-7814 Sequence 7814, Ap
C 5	20	4.0	1570	4	US-09-949-016-3206 Sequence 3206, Ap
C 6	20	4.0	2889	4	US-09-016-434-1192 Sequence 1192, Ap
C 7	20	4.0	4874	4	US-09-976-594-930 Sequence 930, App
C 8	20	4.0	41863	4	US-09-949-016-14948 Sequence 14948, A
C 9	20	4.0	49440	4	US-09-949-016-14150 Sequence 14150, A
C 10	20	4.0	392000	4	US-10-027-983-11 Sequence 11, Appl
C 11	20	4.0	451924	4	US-09-949-016-12896 Sequence 12896, A
C 12	20	4.0	451925	4	US-09-949-016-17305 Sequence 17305, A
C 13	19	3.8	601	4	US-09-949-016-37859 Sequence 37859, A
C 14	19	3.8	601	4	US-09-949-016-37860 Sequence 37860, A
C 15	19	3.8	601	4	US-09-949-016-64105 Sequence 64105, A
C 16	19	3.8	601	4	US-09-949-016-64106 Sequence 64106, A
C 17	19	3.8	601	4	US-09-949-016-77284 Sequence 77284, A
C 18	19	3.8	601	4	US-09-949-016-77285 Sequence 77285, A
C 19	19	3.8	2408	4	US-09-270-767-13454 Sequence 13454, A
C 20	19	3.8	22205	4	US-09-949-016-16199 Sequence 16199, A
C 21	19	3.8	32104	4	US-09-949-016-14722 Sequence 14722, A
C 22	19	3.8	49212	4	US-09-949-016-12494 Sequence 12494, A
C 23	19	3.8	49220	4	US-09-949-016-14726 Sequence 14726, A
C 24	19	3.8	50073	4	US-09-949-016-16026 Sequence 16026, A
C 25	19	3.8	95318	4	US-09-949-016-11784 Sequence 11784, A
C 26	19	3.8	95318	4	US-09-949-016-13998 Sequence 13998, A
C 27	19	3.8	96074	4	US-09-949-016-12760 Sequence 12760, A

ALIGNMENTS

RESULT 1

US-09-949-016-13519
; Sequence 13519, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13519
; LENGTH: 18534
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13519

Query Match 4.6%; Score 23; DB 4; Length 18534;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 213 TACTTTAAAAAGCTTAAATTTTTT 235
Db 9869 TACTTTAAAAAGCTTAAATTTTTT 9891

RESULT 2

US-09-252-991A-7678
; Sequence 7678, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107195.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142

Sequence 13611, A
Sequence 12524, A
Sequence 13632, A
Sequence 15868, A
Sequence 28102, A
Sequence 15372, A
Sequence 8781, Ap
Sequence 24063, A
Sequence 57234, A
Sequence 66582, A
Sequence 88650, A
Sequence 88651, A
Sequence 88652, A
Sequence 180768, A
Sequence 180769, A
Sequence 180770, A
Sequence 180771, A
Sequence 180772, A

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; SEQ ID NO 7678
; LENGTH: 1455
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (604)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7678

Query Match          4.2%; Score 21; DB 4; Length 1455;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    ||||||||||||||||||
Db 563 GTGTTCTGCTGATGCCGCTG 583

RESULT 3
US-09-252-991A-7528
; Sequence 7528, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7528
; LENGTH: 1485
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (696)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7528

Query Match          4.2%; Score 21; DB 4; Length 1485;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    ||||||||||||||||||
Db 655 GTGTTCTGCTGATGCCGCTG 675

RESULT 4
US-09-252-991A-7814/c
; Sequence 7814, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7814
; LENGTH: 3342
; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1036)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7814

Query Match          4.2%; Score 21; DB 4; Length 3342;
Best Local Similarity 100.0%; Pred. No. 2.7;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    ||||||||||||||||||
Db 1077 GTGTTCTGCTGATGCCGCTG 1057

RESULT 5
US-09-949-016-3206/c
; Sequence 3206, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3206
; LENGTH: 1570
; TYPE: DNA
; ORGANISM: Human
; OTHER INFORMATION:
US-09-949-016-3206

Query Match          4.0%; Score 20; DB 4; Length 1570;
Best Local Similarity 100.0%; Pred. No. 8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 152 ACTTCACATGATATTTTACT 171
    ||||||||||||||||||
Db 124 ACTTCACATGATATTTTACT 105

RESULT 6
US-09-016-434-1192/c
; Sequence 1192, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
```

RESULT 8
US-09-949-016-14948/c
Sequence 14948. Application US/09949016
: TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
: APPLICANT: Mark P. Roach
: APPLICANT: Kenneth W. Dobie
: GENERAL INFORMATION:

```
; FILE REFERENCE: RTS-0340
; CURRENT APPLICATION NUMBER: US/10/027,983
; CURRENT FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 11
; LENGTH: 392000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 137740
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 137742
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (138122)...(138221)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 145507
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 151967
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (151967)...(1542066)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 154217
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (164037)...(164136)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (174657)...(174756)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (186224)...(186323)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (195242)...(195341)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 202703
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (202771)...(202870)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (206246)...(215602)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (218126)...(218225)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (220360)...(220459)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (222717)...(222816)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (223981)...(224080)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (227487)...(227586)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (230157)...(230256)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (232299)...(232398)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
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; LOCATION: (236552)...(2366651)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (238789)...(248788)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: exon
; LOCATION: (118288)...(119101)
; OTHER INFORMATION: exon 1C
; NAME/KEY: exon:intron junction
; LOCATION: (151129)...(151130)
; OTHER INFORMATION: exon 5:intron 5
; NAME/KEY: exon:intron junction
; LOCATION: (299248)...(299249)
; OTHER INFORMATION: exon 9:intron 9
; NAME/KEY: exon:intron junction
; LOCATION: (348578)...(348579)
; OTHER INFORMATION: exon 10:intron 10
; NAME/KEY: intron
; LOCATION: (348579)...(381838)
; OTHER INFORMATION: intron 10
; NAME/KEY: intron:exon junction
; LOCATION: (386185)...(386186)
; OTHER INFORMATION: intron 11:exon 12
; US-10-027-983-11
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Query Match 4.0%; Score 20; DB 4; Length 392000;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 274 AGCAGGAGGCCATTGTAA 293
Db 111048 AGCAGGAGGCCATTGTAA 111067
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RESULT 11

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US-09-949-016-12896/c
; Sequence 12896, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12896
; LENGTH: 451924
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12896
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Query Match 4.0%; Score 20; DB 4; Length 451924;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 220 AAAAGTTAAATTTTTTTT 239
Db 104229 AAAAGTTAAATTTTTTTT 104210
```

RESULT 12

```
US-09-949-016-17305/c
; Sequence 17305, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17305
; LENGTH: 451925
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17305

Query Match 4.0%; Score 20; DB 4; Length 451925;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 AAAAGTTAAATTTTTTTTTT 239
Db 104229 AAAAGTTAAATTTTTTTTTT 104210

RESULT 13
US-09-949-016-37859
; Sequence 37859, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37859
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-37859

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAGTTAAATTTTTTTTTT 239
Db 292 AAAGTTAAATTTTTTTTTT 310

RESULT 14
US-09-949-016-37860
; Sequence 37860, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37860
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-37860

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAGTTAAATTTTTTTTTT 239
Db 141 AAAGTTAAATTTTTTTTTT 159

RESULT 15
US-09-949-016-64105
; Sequence 64105, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 64105
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-64105

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAGTTAAATTTTTTTTTT 239
Db 292 AAAGTTAAATTTTTTTTTT 310

Search completed: September 27, 2005, 07:59:06
Job time : 117.947 secs

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		Query Match	100.0%	Score 500;	DB 9;	Length 29544;
		Best Local Similarity	100.0%;	Pred. No. 5.8e-232;		
		Matches 500;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0
y	1	CTATTCAATATATTAACGTTGCACAGAGCGGGCGGTGTGGGTTTTTTTATCTTTATTTGTT	60			
b	1	CTATTCAATATATTAACGTTGCACAGAGCGGGCGGTGTGGGTTTTTTTATGTTTATTTGTT	60			
y	61	CATGGAATTTACAAAGAAGTAAGTTGTGGATCTTTTATTCACAAATCTTTTAAACAATGAC	120			

61	Db	CATGGNATTTACAAAGAAGTAGTTGTTGGATCTTTATTCACAATTTCTTTTTAACAAATGAC	120
121	Qy	TTTTTACTATTACAAATTTTTCATCTTTTTTACTTCACATGATATTTTACTTAAATTTTG	180
121	Db	TTTTTACTTTATTAATTTTTTTCATCTTTTTTACTTTCACATGATATTTTACTTAAATTTTG	180
181	Qy	TACATACAAGCCAAAATTCGCATAAATGTCCTTACTTTTAAAAAGTTAAATTTTTTTTTTA	240
181	Db	TACATACAAGCCAAAATTCGCATAAATGTCCTTACTTTTAAAAAGTTAAATTTTTTTTTTA	240
241	Qy	AGGCATAAATGGAAGCTACAGCAGCAATTTGGAATAGCAGGAAGGGCAATTGTTAAAGTGCT	300
241	Db	AGGCATAAATGGAAGCTACAGCAGCAATTTGGAATAGCAGGAAGGGCAATTGTTAAAGTGCT	300
301	Qy	TCTGCTGATGCGCTGCAGAAAGATAGATGCTATCGTACGCATAAACCCCCCTCCTAT	360
301	Db	TCTGCTGATGCGCTGCAGAAAGATAGATGCTATCGTACGCATAAACCCCCCTCCTAT	360
361	Qy	TTGTTCACTGCTGCTTTTATATATATCTTTCGCCAATCTAGGTGATATTTGCTTTTGAT	420
361	Db	TTGTTCACTGCTGCTTTTATATATATCTTTCGCCAATCTAGGTGATATTTGCTTTTGAT	420
421	Qy	GCTGTTTCCAAAAGCTTCGCATCATCGGATTTTCAAATTTAAATGGATTTGGCAGAATT	480
421	Db	GCTGTTTCCAAAAGCTTCGCATCATCGGATTTTCAAATTTAAATGGATTTGGCAGAATT	480
481	Qy	TCTTAAAAAATAGCCCAACC	500
481	Db	TCTTAAAAAATAGCCCAACC	500

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RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

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241	Db	ACGCATAAATGGACGTACAGCAGCAATTTGGNATAGCAGGAGGCCCAATTGTAAAGTGTCT	300
301	Qy	TCCTGCTGATGCGCGCTCGAGAAAGGATAGATGCTTATCGTAGCATAAAACCCCGCTCCTTAT	360
301	Db	TCCTGCTGATGCGCGCTCGAGAAAGGATAGATGCTTATCGTAGCATAAAACCCCGCTCCTTAT	360
361	Qy	TTGTTTCATCTGCTGCTTTTATATATCTCTCGCCAACTCTAGGTGCATATTTGCTTTTGAAT	420
361	Db	TTGTTTCATCTGCTGCTTTTATATATCTCTCGCCAACTCTAGGTGCATATTTGCTTTTGAAT	420
421	Qy	GCTGTTTCCAAAAGCTTGTCATCATCGGATTTTCAATTAAATTGGATTTGGAGAATT	480
421	Db	GCTGTTTCCAAAAGCTTGTCATCATCGGATTTTCAATTAAATTGGATTTGGAGAATT	480
481	Qy	TCCTAAAAAATAGCCCAACC	500
481	Db	TCCTAAAAAATAGCCCAACC	500

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RESULT 3
US-09-464-767-1/c
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

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RESULT 4
US-09-464-767-3/c
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Suchanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

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QY 1 CTATTCATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46

Db 29574 CTATTGATATATACGTTGCACAGCGCGCGTGTGGGTTTT 29529
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RESULT 5

US-10-425-115-54772/c
; Sequence 54772, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 54772
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(263)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MR14577_149950C.1
US-10-425-115-54772

Query Match 4.8%; Score 24; DB 20; Length 263;
Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 TTTAAAAAGTTAAATTTTTTTTTT 239
|||||
Db 43 TTTAAAAAGTTAAATTTTTTTTTT 20
|||||

RESULT 6

US-10-425-115-152970/c
; Sequence 152970, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 152970
; LENGTH: 330
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MR14577_71092C.1
US-10-425-115-152970

Query Match 4.6%; Score 23; DB 20; Length 330;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 TTTAAAAAGTTAAATTTTTTTTTT 238
|||||
Db 35 TTTAAAAAGTTAAATTTTTTTTTT 13
|||||

RESULT 7

US-10-311-455-12
; Sequence 12, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCI/BF01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 12
; LENGTH: 6164
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 4256
; OTHER INFORMATION: n is a or g or c or t
US-10-311-455-12

Query Match 4.2%; Score 21; DB 15; Length 6164;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 AAAAGTTAAATTTTTTTTTT 240
|||||
Db 5994 AAAAGTTAAATTTTTTTTTT 6014
|||||

RESULT 8

US-10-021-323-11156/c
; Sequence 11156, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 11156
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3828-034-Q6-N6-DB
US-10-021-323-11156

Query Match 4.0%; Score 20; DB 19; Length 332;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 TTAAGTTAAATTTTTTTT 236
|||||
Db 302 TTAAGTTAAATTTTTTTT 283
|||||

```
RESULT 9
US-09-960-352-9750
; Sequence 9750, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Mengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathalegan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9750
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 42-LIB3057-020-Q1-K1-C10
US-09-960-352-9750
Query Match      4.0%; Score 20; DB 9; Length 423;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 230 TTTTTCATTAACGCATAAA 249
Db 328 TTTTTCATTAACGCATAAA 347

RESULT 10
US-09-764-860-236/c
; Sequence 236, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09/764,860
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 236
; LENGTH: 589
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (469)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (539)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (549)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (564)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (575)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-860-236
Query Match      4.0%; Score 20; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 92 TCTTTATTCACAATTCCTTT 111
Db 92 TCTTTATTCACAATTCCTTT 111

RESULT 11
US-10-074-095-236/c
; Sequence 236, Application US/10074095
; Publication No. US2003007704A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C1
; CURRENT APPLICATION NUMBER: US/10/074,095
; CURRENT FILING DATE: 2002-02-14
; Prior Application Number: 09/764,860
; Prior Filing Date: 2001-01-17
; Prior Application Number: 60/179,065
; Prior Filing Date: 2000-01-31
; Prior Application Number: 60/180,628
; Prior Filing Date: 2000-02-04
; Prior Application Number: 60/214,886
; Prior Filing Date: 2000-06-28
; Prior Application Number: 60/217,487
; Prior Filing Date: 2000-07-11
; Prior Application Number: 60/225,758
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/220,963
; Prior Filing Date: 2000-07-26
; Prior Application Number: 60/217,496
; Prior Filing Date: 2000-07-11
; Prior Application Number: 60/225,447
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/218,290
; Prior Filing Date: 2000-07-14
; Prior Application Number: 60/225,757
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/226,868
; Prior Filing Date: 2000-08-22
; Prior Application Number: 60/216,647
; Prior Filing Date: 2000-07-07
; Prior Application Number: 60/225,267
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/216,880
; Prior Filing Date: 2000-07-07
; Prior Application Number: 60/225,270
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/251,869
; Prior Filing Date: 2000-12-08
; Prior Application Number: 60/235,834
; Prior Filing Date: 2000-09-27
; Prior Application Number: 60/234,274
; Prior Filing Date: 2000-09-21
; Prior Application Number: 60/234,223
; Prior Filing Date: 2000-09-21
; Prior Application Number: 60/228,924
; Prior Filing Date: 2000-08-30
; Prior Application Number: 60/224,518
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/236,369
; Prior Filing Date: 2000-09-29
; Prior Application Number: 60/224,519
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/220,964
; Prior Filing Date: 2000-07-26
; Prior Application Number: 60/241,809
; Prior Filing Date: 2000-10-20
; Prior Application Number: 60/249,299
; Prior Filing Date: 2000-11-17
; Prior Application Number: 60/236,327
; Prior Filing Date: 2000-09-29
; Prior Application Number: 60/241,785
; Prior Filing Date: 2000-10-20
; Prior Application Number: 60/244,617
; Prior Filing Date: 2000-11-01
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;; PRIOR APPLICATION NUMBER: 60/225,268
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,368
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/251,856
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/251,868
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/229,344
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/234,997
;; PRIOR FILING DATE: 2000-09-25
;; PRIOR APPLICATION NUMBER: 60/229,343
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,345
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,287
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,513
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/231,413
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/229,509
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/236,367
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/237,039
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,038
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/236,370
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/236,802
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,037
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,040
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/240,960
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/235,836
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/249,218

;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,208
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,213
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,212
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,207
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,245
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,244
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,217
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,211
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,215
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,297
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/232,400
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/231,242
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/232,081
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/232,080
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/231,414
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/231,244
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/233,064
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/233,063
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,397
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,399
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,401
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/241,808
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,826
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,786
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 4.0%; Score 20; DB 14; Length 589;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 92 TCTTTATTCAAAATCTTTT 111
DB 28 TCTTTATTCAAAATCTTTT 9

RESULT 12
US-10-212-872-236/c
; Sequence 236, Application US/10212872
; Publication No. US20030215893A1

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; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C2
; CURRENT APPLICATION NUMBER: US/10/212,872
; CURRENT FILING DATE: 2002-08-07
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 236
; LENGTH: 589
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (469)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (549)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (564)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (575)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-212-872-236

Query-Match
Best Local Similarity 4.0%; Score 20; DB 17; Length 589;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 92 TCCTTATTCAAAATTCCTTT 111
Db 28 TCCTTATTCAAAATTCCTTT 9
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RESULT 13
US-10-027-632-20777/c
; Sequence 207777, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207777
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
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; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207777

Query-Match
Best Local Similarity 4.0%; Score 20; DB 13; Length 596;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 161 GATATTTTACTTAAATTTTG 180
Db 53 GATATTTTACTTAATTTTG 34

RESULT 14
US-10-027-632-207778/c
; Sequence 207778, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207778
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207778

Query-Match
Best Local Similarity 4.0%; Score 20; DB 13; Length 596;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 161 GATATTTTACTTAAATTTTG 180
Db 53 GATATTTTACTTAATTTTG 34

RESULT 15
US-10-027-632-207777/c
; Sequence 207777, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207777
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-20777
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Query Match      4.0%; Score 20; DB 17; Length 596;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      161 GATATTTTACTTAAATTTG 180
      |||||||
Db       53 GATATTTTACTTAAATTTG 34
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Search completed: September 27, 2005, 07:49:13
Job time : 773.106 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.751 Seconds
(without alignments)
7129.691 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500
Perfect score: 500
Sequence: 1 ctattcatatataacgtt.....tcttaaaataagcccaacc 500

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 240568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgn2_6/prodata/1/ina/SB COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCBUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfileseq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	50.2	10.0	665	2	US-08-883-795A-36
C 2	49.4	9.9	612	4	US-09-902-540-1357
C 3	49.2	9.8	19124	2	US-08-487-826B-13
C 4	46.4	9.3	615	3	US-08-998-416-186
C 5	46.4	9.3	6243	2	US-09-056-075-1
C 6	45.8	9.2	59519	4	US-09-949-016-13504
C 7	45.6	9.1	5156	2	US-09-091-432-3
C 8	45.6	9.1	5156	4	US-09-387-663-3
C 9	45.6	9.1	5156	4	US-09-214-139B-3
C 10	45.2	9.0	1192	4	US-09-439-554-23
C 11	45	9.0	601	4	US-09-949-016-132805
C 12	44.8	9.0	822	3	US-09-134-001C-179
C 13	44.6	8.9	1039	4	US-09-902-540-1280
C 14	44.2	8.8	209210	4	US-09-949-016-15094
C 15	43.8	8.8	601	4	US-09-949-016-132806
C 16	43.8	8.8	20935	4	US-09-949-016-15383
C 17	43.8	8.8	194714	4	US-09-949-016-11869
C 18	43.8	8.8	196714	4	US-09-949-016-15474
C 19	43.4	8.7	601	4	US-09-949-016-128553
C 20	43.2	8.6	17082	4	US-09-949-016-14893
C 21	43.2	8.6	187169	4	US-09-949-016-12776
C 22	43.2	8.6	191569	4	US-09-949-016-15940
C 23	43.2	8.6	254366	4	US-09-822-871-3
C 24	43	8.6	5852	1	US-07-867-106-2
C 25	42.8	8.6	1141	4	US-09-806-708B-22
C 26	42.8	8.6	7358	3	US-09-058-483-8
C 27	42.8	8.6	7633	3	US-09-028-851-1
C 28	42.8	8.6	7633	3	US-08-883-795A-36
C 29	42.8	8.6	7633	3	US-09-273-163-1
C 30	42.6	8.5	640681	4	US-09-790-988-1
C 31	42.4	8.5	317366	4	US-09-949-016-16001
C 32	42	8.4	466	4	US-09-621-976-16107
C 33	42	8.4	5173	1	US-08-242-677-1
C 34	42	8.4	31078	4	US-09-949-016-14435
C 35	42	8.4	101674	4	US-09-949-016-12033
C 36	41.8	8.4	1536	4	US-09-328-352-2239
C 37	41.8	8.4	3237	4	US-09-248-796A-6181
C 38	41.8	8.4	4818	3	US-08-817-926-27
C 39	41.8	8.4	54444	4	US-09-949-016-17344
C 40	41.8	8.4	247299	4	US-09-949-016-17590
C 41	41.8	8.4	250352	4	US-09-949-016-14724
C 42	41.6	8.3	601	4	US-09-949-016-55453
C 43	41.6	8.3	33498	4	US-09-949-016-11982
C 44	41.6	8.3	33551	4	US-09-949-016-16666
C 45	41.6	8.3	121384	4	US-09-949-016-16944

ALIGNMENTS

RESULT 1
US-08-883-795A-36/c
; Sequence 36, Application US/08883795A
; Patent No. 5985607
; GENERAL INFORMATION:
; APPLICANT: Delcuve, Genevieve
; APPLICANT: Awang, Gregor
; TITLE OF INVENTION: Recombinant DNA Molecules and Expression
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/883,795A
FILING DATE: 27-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gravelle, Micheline
REGISTRATION NUMBER: 40,261
REFERENCE/DOCKET NUMBER: 7841-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 665 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE: Homo sapiens
IMMEDIATE SOURCE:
CLONE: Rh 32

US-08-883-795A-36
Query Match 10.0%; Score 50.2; DB 2; Length 665;
Best Local Similarity 53.9%; Pred. No. 0.0075;
Matches 103; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCAGGAATTTACAAAGAAAGTAAAGTTGGATCTTTATTCAC 102
|||||
Db 576 TTTTAACTATTATATAAAATTTGAAATATATAAATATGTAATATAAATCTTTAATAT 517
|||||
QY 103 AATCTTTTAACAATGACTTTTACTATTATACATTTTTCATCTTTTACTTCACATGA 162
|||||
Db 516 AAAATATGTAATATAAATCTTTAATATATAAATATGTAATATAAATCTTTATAAAA 457
|||||
QY 163 TATTTTACTTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGCTTACTTTAAAA 222
|||||
Db 456 TAGTAAATATAAATATGTAATATAAATCTTTAATATAAATATGTAATATAAAT 397
|||||
QY 223 AGTAAATTTT 233
|||||
Db 396 ATTTAATAT 386
|||||

RESULT 2

US-09-902-540-1357/c
; Sequence 1357, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1357
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(612)
; OTHER INFORMATION: unsure at all n locations
US-09-902-540-1357

Query Match 9.9%; Score 49.4; DB 4; Length 612;
Best Local Similarity 52.8%; Pred. No. 0.011;
Matches 104; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCAGGAATTTACAAAGAAAGTAAAGTTGGATCTTTATTCAC 102
|||||
Db 428 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 369
|||||
QY 103 AATCTTTTAACAATGACTTTTACTATTATACATTTTTCATCTTTTACTTCACATGA 162
|||||
Db 368 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 309
|||||
QY 163 TATTTTACTTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGCTTACTTTAAAA 222
|||||
Db 308 TTTTATTTTAAATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTT 249
|||||
QY 223 AGTAAATTTT 239
|||||
Db 248 TATTTTATTTTATTTT 232
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RESULT 3

US-08-487-826B-13/c
; Sequence 13, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.

; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellens, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESS: Knobbe Martens Olson & Bear
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CPI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19124 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEetical: NO
; ANTI-SENSE: NO
US-08-487-826B-13

Query Match 9.8%; Score 49.2; DB 2; Length 19124;
Best Local Similarity 55.2%; Pred. No. 0.036;
Matches 96; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 68 TTTCAAGAGAGTAAAGTTGTTGGATCTTTATTCACAAATCTTTTAAACAATGACTTTT 127
|||||
Db 16005 TATATATATATATATATATGATGATGATGATGATGATGATGATGATGATGAT 15946
|||||
QY 128 CTTATTACATTTTTCATCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 187
|||||
Db 15945 TTTAATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 15886
|||||
QY 188 AAGCCAAATTCGCATAAAATGCTTACTTTTAAAGTTAAATTTTATTTTAA 241
|||||
Db 15885 AATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 15832
|||||

RESULT 4

US-08-998-416-186
; Sequence 186, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Rebischung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPHII
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation

```
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 186:
SEQUENCE CHARACTERISTICS:
LENGTH: 615 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1074RP
US-08-998-416-186

Query Match          9.3%; Score 46.4; DB 3; Length 615;
Best Local Similarity 51.4%; Pred. No. 0.061;
Matches 107; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAGTAAGTTGTTGGATCTTTTATTCAC 102
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 394 TATTATAATATCTATTTTATAAATATATGTTGATTTATATTTAACTTTTATAG 453

QY 103 AATCTTTTAAACAATGACCTTTTACTTATTAACATTTTTCATCTTTTCTTCTACATGA 162
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 454 AATTATTATAAATTAATTTAACTTAACTTCTTATTATTAATTTTATATTTATTTAA 513

QY 163 TATTTTACTTAATTTTGTACATACAGCAAAATTCGCATAAATGCTTCTTCTTAA 222
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 514 TAAATTAATATTCATTTTATTTATTTTATTTTAAATTAATTAATTAATTAATTAAT 573

QY 223 AGTTAAATTTTTTTTTTAAAGCATAAAT 250
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 574 TTATCATTAATTAATTAATTAATTAAT 601

RESULT 5
US-09-056-075-1/c
Sequence 1, Application US/09056075
Patent No. 5955368
GENERAL INFORMATION:
APPLICANT: Johnson, Eric A.
APPLICANT: Bradshaw, Marite
APPLICANT: Rood, Julian
TITLE OF INVENTION: Expression System for Clostridium
TITLE OF INVENTION: Species
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US

STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27386
REFERENCE/DOCKET NUMBER: 960296.95238
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6243 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 3770..4013
OTHER INFORMATION: /note= "RP4 origin of DNA transfer (orit) from
OTHER INFORMATION: plasmid RP4"
US-09-056-075-1

Query Match          9.3%; Score 46.4; DB 2; Length 6243;
Best Local Similarity 52.6%; Pred. No. 0.12;
Matches 101; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 47 TTATTGTTTATGTCATGGAATTTACAAGAGTAAGTTGTTGGATCTTTTATTCACAAT 106
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1477 TCATTTTATATATCTTTCTTCAAAGATTATATATATAATAAATAATTTTTCACACT 1418

QY 107 CTTTAAACAATGACCTTTTACTTATTAACATTTTTCATCTTTTTCATCTTCATGATAT 166
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1417 TAAATAAATAATTTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1358

QY 167 TTACTTAAATTTTGACATACAGCAAAATTCGCATAAATGCTTACTTTTAAAGTT 226
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1357 ATTTTATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 1298

QY 227 AAATTTTATTTT 238
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1297 TTTTATTTTATTT 1286

RESULT 6
US-09-949-016-13504/c
Sequence 13504, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLO01307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13504
LENGTH: 59519
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13504

Query Match          9.2%; Score 45.8; DB 4; Length 59519;
Best Local Similarity 54.4%; Pred. No. 0.33; Mismatches 0; Indels 0; Gaps 0;
Matches 92; Conservative

QY 80 TAAGTTGTTGGATCTTTATTCACAAATCTTTTAAACAATGACTTTTTTACTTATTACATTTT 139
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48454 TAATAATGTTATATATATATATACATAATGATATATATATATATATATATATATATAA 48395

QY 140 TTCATCTTTTTTACTTCACATGATATTTTACTTTAAATTTTGTACATACAGCCAAATTC 199
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48394 TATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 48335

QY 200 GCATAAAATGCTACTTTTAAAGTTAAATTTTTTTTTTAAACGCATAA 248
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48334 GTATAATATATATATATATATATATATATATATATATATATATATATATATATATAT 48286

RESULT 7
US-09-091-432-3
; Sequence 3, Application US/09091432
; Patent No. 5981837
; GENERAL INFORMATION:
; APPLICANT: Chapple, Clint
; TITLE OF INVENTION: A Method For Regulation Of Plant Lignin Composition
; FILE REFERENCE: 7024-325
; CURRENT APPLICATION NUMBER: US/09/091,432
; CURRENT FILING DATE: 1998-06-18
; EARLIER APPLICATION NUMBER: PCT/US96/20094
; EARLIER FILING DATE: 1996-12-19
; EARLIER APPLICATION NUMBER: US 60/009,119
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: US 60/013,388
; EARLIER FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Microsoft Word 2.0C
; SEQ ID NO 3
; LENGTH: 5156
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-091-432-3

Query Match          9.1%; Score 45.6; DB 2; Length 5156;
Best Local Similarity 54.9%; Pred. No. 0.18; Mismatches 0; Indels 0; Gaps 0;
Matches 90; Conservative

QY 94 TTTATTCACAATCTTTTAAACAATGACTTTTTTACTTATTACATTTTTCATCTTTTTTAC 153
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 460 TTTTGTTCAAAAGTATTATCAATAGTTTTTTTGTCTTCAAAAATATACACAAATTTTGTGA 519

QY 154 TTCACATGATATTTTACTTTAAATTTTGTACATACAGCCAAAATTCGCATATAAATGCTTT 213
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 520 TGAATAATTTCTTTAAACGAAAATAAAATTTAAATTTAAATTTTATATTTTGGAGTTCT 579

QY 214 ACTTTAAAAAGTTAAATTTTTTTTTTAAACGCATAAATGGACGTA 257
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 580 ATTTTAAATTAGAGTTTTTATTGTACACACATTTTTTTGAATTA 623

RESULT 8
US-09-387-663-3
; Sequence 3, Application US/09387663
; Patent No. 6489538
; GENERAL INFORMATION:
; APPLICANT: Chapple, Clint
; TITLE OF INVENTION: A Method For Regulation Of Plant Lignin Composition
; FILE REFERENCE: 7024-325
; CURRENT APPLICATION NUMBER: US/09/387,663
; CURRENT FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: US 09/091,432
; PRIOR FILING DATE: 1998-06-18
; PRIOR FILING DATE: 1996-12-19
; PRIOR FILING DATE: 1995-12-22
; PRIOR FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Microsoft Word 2.0C
; SEQ ID NO 3
; LENGTH: 5156
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-387-663-3

Query Match          9.1%; Score 45.6; DB 4; Length 5156;
Best Local Similarity 54.9%; Pred. No. 0.18; Mismatches 0; Indels 0; Gaps 0;
Matches 90; Conservative

QY 94 TTTATTCACAATCTTTTAAACAATGACTTTTTTACTTATTACATTTTTCATCTTTTTTAC 153
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 460 TTTTGTTCAAAAGTATTATCAATAGTTTTTTTGTCTTCAAAAATATACACAAATTTTGTGA 519

QY 154 TTCACATGATATTTTACTTTAAATTTTGTACATACAGCCAAAATTCGCATATAAATGCTTT 213
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 520 TGAATAATTTCTTTAAACGAAAATAAAATTTAAATTTAAATTTTATATTTTGGAGTTCT 579

QY 214 ACTTTAAAAAGTTAAATTTTTTTTTTAAACGCATAAATGGACGTA 257
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 580 ATTTTAAATTAGAGTTTTTATTGTACACACATTTTTTTGAATTA 623
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 498.823 Seconds
(without alignments)
6702.051 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500

Perfect score: 500

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Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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- 2: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
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- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
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- 19: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
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- 21: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	500	100.0	29544	9	US-09-464-767-1
2	500	100.0	32745	9	US-09-464-767-3
3	58.6	11.7	397	9	US-09-960-352-13784
4	54.2	10.8	462	20	US-10-425-115-171081
5	52.2	10.4	376	10	US-09-814-353-18587
6	51.8	10.4	469	19	US-10-021-323-16830
7	51.8	10.4	8323	15	US-10-311-455-32

8	51.8	10.4	367378	16	US-10-312-841-1	Sequence 1, Appli
9	51.4	10.3	5452	15	US-10-311-455-1122	Sequence 1122, Ap
10	51.4	10.3	9155	15	US-10-311-455-436	Sequence 436, App
11	51.2	10.2	527	19	US-10-021-323-16206	Sequence 16206, A
12	51.2	10.2	6183	15	US-10-311-455-1169	Sequence 1169, Ap
13	51.2	10.2	12592	17	US-10-221-613-57	Sequence 57, Appl
14	50.8	10.2	2566	19	US-10-734-564-47	Sequence 47, Appl
15	50.4	10.1	466	19	US-10-767-795-178	Sequence 178, App
16	50.4	10.1	593	19	US-10-021-323-7120	Sequence 7120, Ap
17	50.2	10.0	574	19	US-10-021-323-11147	Sequence 11147, A
18	50.2	10.0	54775	21	US-10-741-601-5659	Sequence 5659, Ap
19	50.2	10.0	54775	21	US-10-741-600-17684	Sequence 17684, A
20	49.8	10.0	303	20	US-10-425-115-123967	Sequence 123967,
21	49.8	10.0	520	19	US-10-021-323-7699	Sequence 7699, Ap
22	49.8	10.0	14861	15	US-10-311-455-1168	Sequence 1168, Ap
23	49.8	10.0	14861	17	US-10-221-613-162	Sequence 162, App
24	49.8	10.0	15548	15	US-10-311-455-12128	Sequence 12128, Ap
25	49.6	9.9	314	9	US-09-960-352-12412	Sequence 12412, A
26	49.6	9.9	433	20	US-10-425-115-73890	Sequence 73890, A
27	49.6	9.9	6261	17	US-10-221-613-2	Sequence 2, Appli
28	49.6	9.9	6261	18	US-10-221-714A-366	Sequence 366, App
29	49.6	9.9	7143	15	US-10-311-455-956	Sequence 956, App
30	49.6	9.9	16236	15	US-10-311-455-996	Sequence 996, App
31	49.6	9.9	367378	16	US-10-312-841-2	Sequence 2, Appli
32	49.4	9.9	560	19	US-10-021-323-2253	Sequence 2253, Ap
33	49.4	9.9	579	10	US-09-814-353-5569	Sequence 5569, A
34	49.4	9.9	579	10	US-09-814-353-11856	Sequence 11856, A
35	49.4	9.9	7498	15	US-10-311-455-229	Sequence 229, App
36	49.4	9.9	9539	14	US-10-239-676-52	Sequence 52, Appl
37	49.4	9.9	9539	15	US-10-240-453-54	Sequence 54, Appl
38	49.2	9.8	622	18	US-10-424-599-3380	Sequence 3380, Ap
39	49.2	9.8	5216	15	US-10-311-455-320	Sequence 320, App
40	49.2	9.8	5216	15	US-10-240-485-12	Sequence 12, Appl
41	49	9.8	461	10	US-09-814-353-17724	Sequence 17724, A
42	48.8	9.8	603	20	US-10-425-115-62402	Sequence 62402, A
43	48.6	9.7	375	20	US-10-357-930-44930	Sequence 44930, A
44	48.6	9.7	419	9	US-09-960-352-11234	Sequence 11234, A
45	48.6	9.7	5493	17	US-10-221-613-349	Sequence 349, App

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score 500;	DB 9;	Length 29544;
Best Local Similarity	100.0%	Pred. No. 1.2e-91;		
Matches 500;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATTATATATATACGTTGCACAGAGCGGGCGTGTGTTTATTATTATTGT	60	
Db	1	CTATTATATATATATACGTTGCACAGAGCGGGCGTGTGTTTATTATTATTGT	60	
Qy	61	CATGAATTACAAAGAGTAAGTTGGATCTTATTCACAAATCTTTTACAAATGC	120	


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; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 171081
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_87604C.1
US-10-425-115-171081

Query Match      10.8%; Score 54.2; DB 20; Length 462;
Best Local Similarity 53.6%; Pred. No. 0.22;
Matches 113; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCATCGAATTTACAAAGAAGTGTGTCATCTTTTATTCAC 102
DB 39 TTTTATTTTTTTTTTTCTGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 98

QY 103 AATTCTTTTAAACAGTCTTTTACTTATTATACATTTTTTTCATCTTTTTTACTTCACATGA 162
DB 99 TTTTATTTTTTAAATTTTAAATTTTTTTTTTAAATCTTTTTTAAATTTTTTTTTTAAATAAAA 158

QY 163 TATTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGTCGTACTTTTAAAA 222
DB 159 AATTATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGAAA 218

QY 223 AGTTAAATTTTTTTTTTAAAGCATAAATGGA 253
DB 219 AATTAATAAATTTGGNAAAAAATAAGAA 249

RESULT 5
US-09-814-353-18587/c
; Sequence 18587, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18587
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 209
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-18587

Query Match      10.4%; Score 52.2; DB 10; Length 376;
Best Local Similarity 55.6%; Pred. No. 0.53;
Matches 120; Conservative 0; Mismatches 94; Indels 2; Gaps 1

; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 171081
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_87604C.1
US-10-425-115-171081

Query Match      10.8%; Score 54.2; DB 20; Length 462;
Best Local Similarity 53.6%; Pred. No. 0.22;
Matches 113; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCATCGAATTTACAAAGAAGTGTGTCATCTTTTATTCAC 102
DB 39 TTTTATTTTTTTTTTTCTGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 98

QY 103 AATTCTTTTAAACAGTCTTTTACTTATTATACATTTTTTTCATCTTTTTTACTTCACATGA 162
DB 99 TTTTATTTTTTAAATTTTAAATTTTTTTTTTAAATCTTTTTTAAATTTTTTTTTTAAATAAAA 158

QY 163 TATTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGTCGTACTTTTAAAA 222
DB 159 AATTATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGAAA 218

QY 223 AGTTAAATTTTTTTTTTAAAGCATAAATGGA 253
DB 219 AATTAATAAATTTGGNAAAAAATAAGAA 249

RESULT 6
US-10-021-323-16830/c
; Sequence 16830, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated wi
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 16830
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-024-Q6-N6-E4
US-10-021-323-16830

Query Match      10.4%; Score 51.8; DB 19; Length 469;
Best Local Similarity 49.8%; Pred. No. 0.69;
Matches 131; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 19 TTGCACAGAGCGGGGGGTGGGTTTTTTTATGTTTATGTCATGAATTTACAAGAA 78
DB 390 TTTCCGGGGGGGGGGCCCCCTTATTTTTTTTTTCTGGGGGAATTTTTTTTTTAA 331

QY 79 GTAAGTTGTTGGAATTTTATTCACAATTTCTTTTAAATTTTGTACATACAGCAAAAT 138
DB 330 TATTTTATTTTTTTTTTATTTTTTTTTTATTTTTTTTTTATTTTTTTTTTATTTTTT 271

QY 139 TTTTCATCTTTTTTACTTCACATGATATTTTACTTTAAATTTTGTACATACAGCAAAAT 198
DB 270 TTTTATTTTTTTTTTTTTTAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTATTAATAATTT 211

QY 199 CGCATAAAATCTCTTACTTTTAAAGTAAATTTTTTTTTTTTTTAACGCATAAATGACGTAC 258
DB 210 TTTTATTTTTTTTTTTTTTATATTTTATTTTTTTTTTAAAAAATTTTTTTTTTAAAAA 151

QY 259 AGCAGCAATTCGAATAGCAGAA 281
DB 150 AAAAAAAAAAAAAAAAAAAAAA 128

RESULT 7
US-10-311-455-32
; Sequence 32, Application US/10311455
; Publication No. US20030143606A1

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; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 436
; LENGTH: 9155
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-436

Query Match      10.3%; Score 51.4; DB 15; Length 9155;
Best Local Similarity 52.0%; Pred. No. 2.6;
Matches 115; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

QY 40 GGGTTTTTATGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATT 99
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5686 GGGGTATTTTATGTTAGTGTGTTTGTATTAAGAAATAGAAGTAGTGTTGTTT 5745

QY 100 CACAATCTTTTAAACAATGACCTTTTACTTATTACATTTTTCATCTTTTACTTCACA 159
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5746 GAGAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGTTTTTGTGTTTAAG 5805

QY 160 TGATATTTTACTAAATTTTGTACATACAGCCAAATTCGCATAAAATGCTTACTTTA 219
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5806 GAAGAAATTTTCTAGAAGTTAATTTTATTAGTAGTTTTTGTAAATAAAGGCAATTATTT 5865

QY 220 AAAAGTAAATTTTTTTTTTAAAGCNAATGACGTACAG 260
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5866 AAAAGTAGTATTTTTTTTTTAAATGTAAAGAAGAAAAAAG 5906

RESULT 11
US-10-021-323-16206
; Sequence 16206, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 16206
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-015-Q1-N6-H7
US-10-021-323-16206

Query Match      10.2%; Score 51.2; DB 19; Length 527;
Best Local Similarity 51.8%; Pred. No. 0.96;
Matches 116; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATTTCAC 102
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
13 TTTTATTGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTT 72
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QY 103 AATTCCTTTTAAACAATGACTTTTTTACTTATTACATTTTTCATCTTTTACTTCACATGA 162
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
73 TTTTATTGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTT 132

QY 163 TATTTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGCTTACTTTAAAA 222
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
133 TTTTATTGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTT 192

QY 223 AGTTAAATTTTTTTTTTAAACGCATAAAATGGACGTACAGCAGCAA 266
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
193 ATTTAAATTTCTAATTTTAAACCCCGAGGGGGGAACATAAAAAA 236

RESULT 12
US-10-311-455-1169
; Sequence 1169, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determin
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1169
; LENGTH: 6183
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1169

Query Match      10.2%; Score 51.2; DB 15; Length 6183;
Best Local Similarity 52.9%; Pred. No. 2.5;
Matches 110; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATTTCAC 102
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1353 TTTTATTGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTTATGTTT 1412

QY 103 AATTCCTTTTAAACAATGACTTTTTTACTTATTACATTTTTCATCTTTTACTTCACATGA 162
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1413 GGATTTGTGAATATATAATAAATATATTTTAAATGCTAGTATTTTGGTTTGTGATTT 1472

QY 163 TATTTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGCTTACTTTAAAA 222
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1473 TATTATATTTAAATAATGAATATATTAATAATATTTGATATATATTTTGTGTTTAAAG 1532

QY 223 AGTTAAATTTTTTTTTTAAACGCATAAAAT 250
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1533 TATTTTATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1560

RESULT 13
US-10-221-613-57
; Sequence 57, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 115.177 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767A-3_COPY_10000_10500
Perfect score: 501
Sequence: 1 agaaagtatagggtgtata.....gatataatagaagttccga 501

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:*
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2: /cgn2_6/ptodata/1/ina/5B COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	20	4.0	4290	3	US-08-924-629C-4
C 2	20	4.0	24358	4	US-09-392-812A-1
C 3	20	4.0	119762	4	US-09-949-016-17313
C 4	19	3.8	601	4	US-09-949-016-60023
C 5	19	3.8	601	4	US-09-949-016-82603
C 6	19	3.8	601	4	US-09-949-016-82604
C 7	19	3.8	601	4	US-09-949-016-178493
C 8	19	3.8	48181	4	US-09-949-016-16863
C 9	19	3.8	121068	4	US-09-949-016-14138
C 10	19	3.8	343352	4	US-09-949-016-13498
C 11	19	3.8	1230025	4	US-09-198-452A-1
C 12	19	3.8	1230230	4	US-09-438-185A-1
C 13	18	3.6	246	4	US-09-583-110-1035
C 14	18	3.6	246	4	US-09-583-110-1760
C 15	18	3.6	447	4	US-09-621-976-15475
C 16	18	3.6	470	4	US-09-621-976-1447
C 17	18	3.6	870	4	US-09-543-681A-2980
C 18	18	3.6	978	4	US-09-134-000C-790
C 19	18	3.6	1169	4	US-09-976-594-425
C 20	18	3.6	1515	4	US-09-726-774-9
C 21	18	3.6	2592	4	US-09-248-796A-6509
C 22	18	3.6	9352	4	US-09-949-016-3031
C 23	18	3.6	9352	4	US-09-949-016-3032
C 24	18	3.6	9434	4	US-09-566-921-22
C 25	18	3.6	21338	3	US-08-961-527-20
C 26	18	3.6	113060	4	US-09-949-016-14773
C 27	18	3.6	113060	4	US-09-949-016-14774

28	18	3.6	131332	4	US-09-949-016-15535	Sequence 15535, A
C 29	18	3.6	253345	4	US-09-949-016-12656	Sequence 12656, A
C 30	18	3.6	253364	4	US-09-949-016-13639	Sequence 13639, A
C 31	18	3.6	260247	4	US-09-949-016-13358	Sequence 13358, A
C 32	18	3.6	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 33	18	3.6	1664976	4	US-09-692-570-1	Sequence 1, Appli
C 34	17	3.4	344	3	US-09-222-938A-14	Sequence 14, Appl
C 35	17	3.4	419	4	US-09-016-434-1462	Sequence 1462, Ap
C 36	17	3.4	419	4	US-09-917-254-4	Sequence 4, Appli
C 37	17	3.4	485	4	US-09-621-976-1099	Sequence 1099, Ap
C 38	17	3.4	492	3	US-09-328-111-335	Sequence 335, App
C 39	17	3.4	495	4	US-09-248-796A-6005	Sequence 6005, Ap
C 40	17	3.4	601	4	US-09-949-016-57237	Sequence 57237, A
C 41	17	3.4	601	4	US-09-949-016-74515	Sequence 74515, A
C 42	17	3.4	601	4	US-09-949-016-161396	Sequence 161396, A
C 43	17	3.4	601	4	US-09-949-016-165916	Sequence 165916,
C 44	17	3.4	601	4	US-09-949-016-165916	Sequence 165916,
C 45	17	3.4	601	4	US-09-949-016-168837	Sequence 168837,

ALIGNMENTS

RESULT 1

US-08-924-629C-4/c
; Sequence 4, Application US/08924629C
; Patent No. 6403082
; GENERAL INFORMATION:
; APPLICANT: Stiles, Michael E.
; APPLICANT: Vederas, John C.
; APPLICANT: van Belkum, Marius J.
; APPLICANT: Worobo, Rodney W.
; APPLICANT: Greer, G. Gordon
; APPLICANT: McMullen, Lynn M.
; APPLICANT: Leisner, Jorgen J.
; APPLICANT: Poon, Aislin
; APPLICANT: Franz, Charles M.A.P.
; TITLE OF INVENTION: No. 6403082elBacteriocins, Transport and Vector System and Method
; FILE REFERENCE: 660.0005US
; CURRENT APPLICATION NUMBER: US/08/924,629C
; CURRENT FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/026,257
; PRIOR FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 4290
; TYPE: DNA
; ORGANISM: Leucocin A gene;
US-08-924-629C-4

Query Match 4.0%; Score 20; DB 3; Length 4290;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 TGAATAATTATCAATAATGG 179
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Db 3119 TGAATAATTATCAATAATGG 3100

RESULT 2

US-09-392-812A-1/c
; Sequence 1, Application US/09392812A
; Patent No. 6537778
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Walker, Richard G.
; APPLICANT: Willingham, Aaron
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: A Eukaryotic Mechanosensory Transduction Channel
; FILE REFERENCE: 02307E-097600US
; CURRENT APPLICATION NUMBER: US/09/392,812A

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; CURRENT FILING DATE: 1999-09-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 24358
;   TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: genomic nompC (no-mechanoreceptor potential C)
; OTHER INFORMATION: nucleotide sequence
US-09-392-812A-1

Query Match          4.0%; Score 20; DB 4; Length 24358;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 156 AAAATGAATAATTATCATAA 175
Db 4782 AAAATGAATAATTATCATAA 4763

RESULT 3
US-09-949-016-17313
; Sequence 17313, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17313
; LENGTH: 119762
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17313

Query Match          4.0%; Score 20; DB 4; Length 119762;
Best Local Similarity 100.0%; Pred. No. 3.4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 44 CCTTTGAAAAAGTCAAAAGT 63
Db 34419 CCTTTGAAAAAGTCAAAAGT 34438

RESULT 4
US-09-949-016-60023
; Sequence 60023, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 60023
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-60023

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AAATGTATATGTTTCAGCTT 102
Db 57 AAATGTATATGTTTCAGCTT 39

RESULT 6
US-09-949-016-82604/c
; Sequence 82604, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 82604
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-82603

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AAATGTATATGTTTCAGCTT 102
Db 57 AAATGTATATGTTTCAGCTT 39

RESULT 5
US-09-949-016-82603/c
; Sequence 82603, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 82603
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-82603

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 153 TTCAAAATGAATAATTATC 171
Db 509 TTCAAAATGAATAATTATC 527

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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US-09-949-016-82604

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AATGTATATGTTTCAGCTT 102
|||||
Db 371 AATGTATATGTTTCAGCTT 353

RESULT 7

US-09-949-016-178493/c
; Sequence 178493, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178493
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178493

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 226 CTATAAAATTTTAAAGT 244
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Db 343 CTATAAAATTTTAAAGT 325

RESULT 8

US-09-949-016-16863/c
; Sequence 16863, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16863
; LENGTH: 48181
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(48181)
; OTHER INFORMATION: n = A, T, C or G
US-09-949-016-16863

Query Match 3.8%; Score 19; DB 4; Length 48181;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 226 CTATAAAATTTTAAAGT 244
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Db 7620 CTATAAAATTTTAAAGT 7602

RESULT 9

US-09-949-016-14138
; Sequence 14138, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14138
; LENGTH: 121068
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14138

Query Match 3.8%; Score 19; DB 4; Length 121068;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AAATGTATATGTTTCAGCTT 102
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Db 86628 AAATGTATATGTTTCAGCTT 86646

RESULT 10

US-09-949-016-13498/c
; Sequence 13498, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13498
; LENGTH: 343352
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(343352)
; OTHER INFORMATION: n = A, T, C or G
US-09-949-016-13498

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Query Match          3.8%; Score 19; DB 4; Length 343352;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 153 TTCAAAATGAATAATTATC 171
Db 60268 TTCAAAATGAATAATTATC 60250

RESULT 11
US-09-198-452A-1/c
; Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Grifflais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1
; LENGTH: 1230025
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
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; NAME/KEY: misc_feature
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Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATAAAATTTTAAAA 242

Db 237333 AGCTATAAAATTTTAAAA 237315

RESULT 12
US-09-438-185A-1/c
; Sequence 1, Application US/09438185A
; Patent No. 6822071
; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kalman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1230230
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-438-185A-1

Query Match 3.8%; Score 19; DB 4; Length 1230230;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATAAAATTTTAAAA 242

Db 227044 AGCTATAAAATTTTAAAA 227026

RESULT 13
US-09-583-110-1035/c
; Sequence 1035, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 1035
; LENGTH: 246
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-1035

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Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 99 GCTTAAAGGTGCACCTTG 116

Db 46 GCTTAAAGGTGCACCTTG 29

RESULT 14
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; Sequence 1760, Application US/09583110

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; Patent No. 6699703
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; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 05/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 1760
; LENGTH: 246
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-1760

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Query Match          3.6%; Score 18; DB 4; Length 246;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 99 GCTTAAAGGTGCACTTG 116
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Db 46 GCTTAAAGGTGCACTTG 29

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RESULT 15
US-09-621-976-15475
; Sequence 15475, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 15475
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 420
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-15475

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Query Match          3.6%; Score 18; DB 4; Length 447;
Best Local Similarity 100.0%; Pred.No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 432 TTCAATCAAAATTTGCAA 449
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Db 370 TTCAATCAAAATTTGCAA 387

Search completed: September 27, 2005, 07:59:14
Job time : 123.177 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 771.646 Seconds
(without alignments)
4341.140 Million cell updates/sec

Title: US-09-464-767A-3_COPY_10000_10500

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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 7400732 seqs, 3343137571 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	20	4.0	1165	13	US-10-027-632-123864
5	20	4.0	1165	17	US-10-027-632-123863
6	20	4.0	1165	17	US-10-027-632-123864
7	20	4.0	1621	16	US-10-220-510-9

c	8	20	4.0	4290	10	US-09-883-343A-4	Sequence 4, Appli
c	9	20	4.0	17404	24	US-11-013-314-35	Sequence 35, Appl
c	10	20	4.0	24358	16	US-10-369-978-1	Sequence 1, Appli
c	11	20	4.0	74279	22	US-10-737-082-16	Sequence 16, Appl
c	12	20	4.0	74279	22	US-10-765-790-16	Sequence 16, Appl
c	13	19	3.8	363	20	US-10-425-115-161695	Sequence 161695,
c	14	19	3.8	423	20	US-10-425-115-72023	Sequence 72023, A
c	15	19	3.8	841	17	US-10-369-493-30339	Sequence 30339, A
c	16	19	3.8	1173	17	US-10-437-963-20448	Sequence 20448, A
c	17	19	3.8	1518	17	US-10-282-122A-41461	Sequence 41461, A
c	18	19	3.8	1684	19	US-10-767-701-12919	Sequence 12919, A
c	19	19	3.8	1230025	17	US-10-289-762-1	Sequence 1, Appli
c	20	18	3.6	27	20	US-10-810-550-76	Sequence 76, Appl
c	21	18	3.6	27	20	US-10-810-550-188	Sequence 188, App
c	22	18	3.6	37	17	US-10-281-845A-18	Sequence 18, Appl
c	23	18	3.6	154	9	US-09-983-965-920	Sequence 920, App
c	24	18	3.6	401	17	US-10-242-535A-24845	Sequence 24845, A
c	25	18	3.6	401	18	US-10-085-783A-24845	Sequence 24845, A
c	26	18	3.6	404	18	US-10-424-599-124366	Sequence 124366,
c	27	18	3.6	443	10	US-09-960-706-336	Sequence 336, App
c	28	18	3.6	443	10	US-09-873-319-199	Sequence 199, App
c	29	18	3.6	554	13	US-10-027-632-185328	Sequence 185328,
c	30	18	3.6	554	17	US-10-027-632-185328	Sequence 185328,
c	31	18	3.6	555	22	US-10-450-763-18723	Sequence 18723, A
c	32	18	3.6	584	18	US-10-424-599-23894	Sequence 23894, A
c	33	18	3.6	598	13	US-10-027-632-188179	Sequence 188179,
c	34	18	3.6	598	13	US-10-027-632-188180	Sequence 188180,
c	35	18	3.6	598	17	US-10-027-632-188179	Sequence 188179,
c	36	18	3.6	598	17	US-10-027-632-188180	Sequence 188180,
c	37	18	3.6	600	22	US-10-972-079-45012	Sequence 45012, A
c	38	18	3.6	600	22	US-10-972-079-45013	Sequence 45013, A
c	39	18	3.6	611	13	US-10-027-632-220860	Sequence 220860,
c	40	18	3.6	611	13	US-10-027-632-220861	Sequence 220861,
c	41	18	3.6	611	13	US-10-027-632-220862	Sequence 220862,
c	42	18	3.6	611	17	US-10-027-632-220860	Sequence 220860,
c	43	18	3.6	611	17	US-10-027-632-220861	Sequence 220861,
c	44	18	3.6	611	17	US-10-027-632-220862	Sequence 220862,
c	45	18	3.6	699	18	US-10-424-599-121442	Sequence 121442,

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464, 767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score	501;	DB	9;	Length	29544;
Best Local Similarity	100.0%	Pred. No.	5e-243;				
Matches	501;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
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Db	10001	AGAAAGTATAGGTTGCTATCTGTGTAATCCATATTCGAAATAATCCTTTGAAAAAGTCAAA	10060				
Qy	61	AGTAGAGTATAGAACCAAGTACGAAATGTATATGTTTACGCTTAAAGGTGACTTTGAACA	120				

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Db 10121 TCCTGATTCCGACGAAGCAAGACAGTGGACTTCAAAATGAATAATTATCATAAATGGA 10180
Qy 181 CTTCTAATGTTATAGATGCAATTCATCAACCAAGCTCTTTTAGCTATATAAAATTTAA 240
Db 10181 CTTCTAATGTTATAGATGCAATTCATCAACCAAGCTCTTTTAGCTATATAAAATTTAA 10240
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Db 10241 AAGTCAACCGTTTGCAACCAAAATGAATGCTTTTAGAATCAGCAGTGTGCTTGGAGCTAT 10300
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Db 10301 AGATGATACCTCGCAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTCTTTGGAGCTAT 10360
Qy 361 TCGCAGTGATGAAGTTGGCCCATTTATATCTGACCTTCTTTATCAGAGTTCCAAATATAA 420
Db 10361 TCGCAGTGATGAAGTTGGCCCATTTATATCTGACCTTCTTTATCAGAGTTCCAAATATAA 10420
Qy 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCACTTCAATC 480
Db 10421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCACTTCAATC 10480
Qy 481 CGATATAATTAGAGTTCCGA 501
Db 10481 CGATATAATTAGAGTTCCGA 10501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464.767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 5.1e-243;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 10000 AGAAGTATAGTTGCTACTGTGATCCATATTGCAAAATCCTTTGAAAAAGTCAAA 10059
Qy 61 AGTAGAAGTAGAACCAAGTGACGAAATGTATATGTTTACGCTTTAAAGGTCGACTTGAACA 120
Db 10060 AGTAGAAGTAGAACCAAGTGACGAAATGTATATGTTTACGCTTTAAAGGTCGACTTGAACA 10119
Qy 121 TCCTGATTCCGACGAAGCAAGACAGTGGACTTCAAAATGAATAATTATCATAAATGGA 180
Db 10120 TCCTGATTCCGACGAAGCAAGACAGTGGACTTCAAAATGAATAATTATCATAAATGGA 10179
Qy 181 CTTCTAATGTTATAGATGCAATTCATCAACCAAGCTCTTTAGCTATATAAAATTTAA 240
Db 10180 CTTCTAATGTTATAGATGCAATTCATCAACCAAGCTCTTTAGCTATATAAAATTTAA 10239
Qy 241 AAGTCAACCGTTTGCAACCAAAATGAATGCTTTTGAATCAGCAGTGTGCTTCCCAAGAA 300

Db 10240 AAGTCAACCGTTTGCAACCAAAATGAATGCTTTTAGAATCAGCAGTGTGCTTCCAGAAA 10299
Qy 301 AGATGATACCTCGCAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTCTTTGGAGCTAT 360
Db 10300 AGATGATACCTCGCAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTCTTTGGAGCTAT 10359
Qy 361 TCGCAGTGATGAAGTTGGCCCATTTATATCTGACCTTCTTTATCAGAGTTCCAAATATAA 420
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Db 10420 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCACTTCAATC 10479
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Db 10480 CGATATAATTAGAGTTCCGA 10500

RESULT 3
US-10-027-632-123863
; Sequence 123863, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 123863
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-123863

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Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 411 ACAATATATAGCTTGAAT 430
Db 119 ACAATATATAGCTTGAAT 138

RESULT 4
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; Sequence 123864, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 123864
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
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US-10-027-632-123864

Query Match          4.0%; Score 20; DB 13; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAAGCTTGAAT 430
Db 119 ACAAATATAAGCTTGAAT 138

RESULT 5
US-10-027-632-123863
; Sequence 123863, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-30
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 123864
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-123863

Query Match          4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAAGCTTGAAT 430
Db 119 ACAAATATAAGCTTGAAT 138

RESULT 6
US-10-027-632-123863
; Sequence 123863, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 123863
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-123863

Query Match          4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAAGCTTGAAT 430
Db 119 ACAAATATAAGCTTGAAT 138

RESULT 6
US-10-027-632-123863
; Sequence 123863, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 123863
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-123863

Query Match          4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAAGCTTGAAT 430
Db 119 ACAAATATAAGCTTGAAT 138

RESULT 6
US-10-027-632-123863
; Sequence 123864, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 123864
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-123864

Query Match          4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAAGCTTGAAT 430
Db 119 ACAAATATAAGCTTGAAT 138

RESULT 7
US-10-220-510-9/c
; Sequence 9, Application US/10220510
; Publication No. US20030190637A1
; GENERAL INFORMATION:
; APPLICANT: Hovnanian, Alain
; APPLICANT: Chavanas, Stephane
; APPLICANT: Cookson, William
; APPLICANT: Moffat, Miriam
; APPLICANT: Walley, Andrew
; TITLE OF INVENTION: SUSCEPTIBILITY GENE FOR NETHERTON'S DISEASE
; FILE REFERENCE: 100317.70008.US
; CURRENT APPLICATION NUMBER: US/10/220,510
; CURRENT FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: GB 0005098.9
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: GB 0005229.0
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 1621
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1016)..(1016)
; OTHER INFORMATION: n = a, c, g or t/u
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1103)..(1103)
; OTHER INFORMATION: n = a, c, g or t/u
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; OTHER INFORMATION: n = a, c, g or t/u
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; FEATURE:
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; OTHER INFORMATION: n = a, c, g or t/u
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; LOCATION: (1539)..(1539)
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; NAME/KEY: misc feature
; LOCATION: (1546)..(1546)
; OTHER INFORMATION: n = a, c, g or t/u
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1550)..(1551)
; OTHER INFORMATION: n = a, c, g or t/u
; FEATURE:
; NAME/KEY: misc feature

LOCATION: (1568)..(1568)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1586)..(1586)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1605)..(1606)
OTHER INFORMATION: n = a, c, g or t/u
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NAME/KEY: misc feature
LOCATION: (1609)..(1611)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1613)..(1613)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1615)..(1615)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature

Query Match 4.0%; Score 20; DB 16; Length 1621;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAATTCCTTTGAAAA 53
Db 694 TTGCAAAATTCCTTTGAAAA 675

RESULT 8

US-09-883-343A-4/c
Sequence 4, Application US/09883343A
Publication No. US20030039632A1
GENERAL INFORMATION:
APPLICANT: Stiles, Michael E.
APPLICANT: Vederas, John C.
APPLICANT: van Belkum, Marius J.
APPLICANT: Worobo, Randy W.
APPLICANT: Greer, G. Gordon
APPLICANT: McMullen, Lynn M.
APPLICANT: Leisner, Jorgen J.
APPLICANT: Poon, Aislin
APPLICANT: Franz, Charles M.A.P.
TITLE OF INVENTION: No. US20030039632A1e1bacteriocins, Transport and Vector System and
FILE REFERENCE: 660.0005US
CURRENT FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US/09/883.343A
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: US 60/026,257
PRIOR FILING DATE: 1996-09-05
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 4290
TYPE: DNA
ORGANISM: Leucococin A gene;
US-09-883-343A-4

Query Match 4.0%; Score 20; DB 10; Length 4290;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 TGAATTAATTCATAAATGG 179
Db 3119 TGAATTAATTCATAAATGG 3100

RESULT 9

US-11-013-314-35/c
Sequence 35, Application US/11013314
Publication No. US20050166269A1
GENERAL INFORMATION:
APPLICANT: TONONI, GIULIO
APPLICANT: CIRELLI, CHIARA
TITLE OF INVENTION: SLEEP GENES IN DROSOPHILA AND THEIR USE FOR THE
TITLE OF INVENTION: SCREENING, DIAGNOSIS AND THERAPY OF SLEEP DISORDERS
FILE REFERENCE: WARF-010US
CURRENT APPLICATION NUMBER: US/11/013,314
CURRENT FILING DATE: 2004-12-15
PRIOR APPLICATION NUMBER: 60/563,858
PRIOR FILING DATE: 2004-04-20
PRIOR APPLICATION NUMBER: 60/529,536
PRIOR FILING DATE: 2003-12-15
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 17404
TYPE: DNA
ORGANISM: Drosophila melanogaster
US-11-013-314-35

Query Match 4.0%; Score 20; DB 24; Length 17404;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 156 AAAATGAATAATTATCATAA 175
Db 3588 AAAATGAATAATTATCATAA 3569

RESULT 10

US-10-369-978-1/c
Sequence 1, Application US/10369978
Publication No. US20030152991A1
GENERAL INFORMATION:
APPLICANT: Zuker, Charles S.
APPLICANT: Walker, Richard G.
APPLICANT: Willingham, Aaron
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: A Eukaryotic Mechanosensory Transduction Channel
FILE REFERENCE: 02307E-097600US
CURRENT APPLICATION NUMBER: US/10/369,978
CURRENT FILING DATE: 2003-02-18
PRIOR APPLICATION NUMBER: US/09/392,812A
PRIOR FILING DATE: 1999-09-09
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 24358
TYPE: DNA
ORGANISM: Drosophila melanogaster
FEATURE:
OTHER INFORMATION: genomic nompC (no-mechanoreceptor potential C)
OTHER INFORMATION: nucleotide sequence
US-10-369-978-1

Query Match 4.0%; Score 20; DB 16; Length 24358;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 156 AAAATGAATAATTATCATAA 175
Db 4782 AAAATGAATAATTATCATAA 4763

RESULT 11

US-10-737-082-16/c
Sequence 16, Application US/10737082
Publication No. US20050130170A1

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; GENERAL INFORMATION:
; APPLICANT: Bayer Healthcare LLC
; APPLICANT: Beard, Chris
; APPLICANT: Burgess, Chris
; APPLICANT: Gannon, Allison
; APPLICANT: Harvey, Jeanne
; APPLICANT: Lechner, John F.
; APPLICANT: Li, Zheng
; TITLE OF INVENTION: Identification and Verification of Methylation Marker Sequences
; FILE REFERENCE: 1657/2032
; CURRENT APPLICATION NUMBER: US/10/737,082
; CURRENT FILING DATE: 2003-12-16
; PRIOR APPLICATION NUMBER: US 10/737,082
; PRIOR FILING DATE: 2003-12-16
; NUMBER OF SEQ ID NOS: 300
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 74279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-737-082-16

Query Match          4.0%; Score 20; DB 22; Length 74279;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAAATCCTTTGAAAA 53
Db 31362 TTGCAAAAATCCTTTGAAAA 31343

RESULT 12
US-10-765-790-16/c
; Sequence 16, Application US/10765790
; Publication No. US20050130172A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Healthcare LLC
; APPLICANT: Beard, Chris
; APPLICANT: Burgess, Chris
; APPLICANT: Gannon, Allison
; APPLICANT: Harvey, Jeanne
; APPLICANT: Lechner, John F.
; APPLICANT: Li, Zheng
; TITLE OF INVENTION: Identification and Verification of Methylation Marker Sequences
; FILE REFERENCE: 1657/2035
; CURRENT APPLICATION NUMBER: US/10/765,790
; CURRENT FILING DATE: 2004-01-27
; PRIOR APPLICATION NUMBER: US 10/737,082
; PRIOR FILING DATE: 2003-12-16
; NUMBER OF SEQ ID NOS: 300
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 74279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-765-790-16

Query Match          4.0%; Score 20; DB 22; Length 74279;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAAATCCTTTGAAAA 53
Db 31362 TTGCAAAAATCCTTTGAAAA 31343

RESULT 13
US-10-425-115-161695/c
; Sequence 161695, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
```

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; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 161695
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_79042C.1
US-10-425-115-161695

Query Match          3.8%; Score 19; DB 20; Length 363;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 37 CAAAAATCCTTTGAAAAAG 55
Db 28 CAAAAATCCTTTGAAAAAG 10

RESULT 14
US-10-425-115-72023/c
; Sequence 72023, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 72023
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_165687C.1
US-10-425-115-72023

Query Match          3.8%; Score 19; DB 20; Length 423;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATATAAAATTTAAAA 242
Db 33 AGCTATATAAAATTTAAAA 15

RESULT 15
US-10-369-493-30339
; Sequence 30339, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
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; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 30339
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-10-369-493-30339

Query Match 3.8%; Score 19; DB 17; Length 841;
Best Local Similarity .100.0%; Pred.No. 71;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 36 GCAAAATCCTTTGAAAA 54
|||U|||||U|||||
Db 636 GCAAAATCCTTTGAAAA 654

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Job time : 773.646 secs

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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.98 Seconds
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Gapop 10.0 , Gapext 1.0

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	65	13.0	26270	4	US-09-717-364A-1
2	64.8	12.9	34185	3	US-09-545-481-3
3	64	12.8	1515	4	US-09-717-364A-4
4	44.8	8.9	34794	4	US-09-713-678-39
5	44.4	8.9	1784	4	US-09-601-198-21
6	44.2	8.8	34446	3	US-09-103-330-35
7	44	8.8	2334	1	US-08-062-632-4
8	42.8	8.5	1141	4	US-09-806-708B-22
9	41.8	8.3	43804	3	US-09-171-461-1
10	41.8	8.3	43804	4	US-09-970-711-1
11	41.4	8.3	41736	4	US-09-949-016-17091
12	39	7.8	66804	4	US-09-740-041-3
13	38.8	7.7	5855	1	US-08-592-214A-20
14	38.8	7.7	5855	3	US-09-149-976-20
15	38.6	7.7	832	4	US-09-621-976-2813
16	38.6	7.7	1338	4	US-09-543-681A-2029
17	38.6	7.7	27970	4	US-09-949-016-15314
18	38.4	7.7	13938	4	US-09-949-016-16019
19	38.4	7.7	13938	4	US-09-949-016-16020
20	38.4	7.7	640681	4	US-09-790-988-1
21	38.2	7.6	177293	4	US-09-949-016-16513
22	38	7.6	33519	4	US-09-949-016-17165
23	38	7.6	49164	4	US-09-949-016-12985
24	38	7.6	49164	4	US-09-949-016-12986
25	38	7.6	49164	4	US-09-949-016-13262
26	38	7.6	49164	4	US-09-949-016-13263
27	38	7.6	70000	3	US-09-851-896-3

28	38	7.6	76399	4	US-09-949-016-16819	Sequence 16819, A
29	37.8	7.5	516	4	US-09-248-796A-4867	Sequence 4867, Ap
c 30	37.8	7.5	183202	4	US-09-949-016-13614	Sequence 13614, A
31	37.6	7.5	212139	4	US-09-949-016-16065	Sequence 16065, A
c 32	37.6	7.5	385136	4	US-09-949-016-16073	Sequence 16073, A
c 33	37.4	7.5	39686	4	US-09-949-016-13633	Sequence 13633, A
c 34	37.4	7.5	49487	4	US-09-949-016-11770	Sequence 11770, A
c 35	37.2	7.4	603	4	US-09-248-796A-6444	Sequence 6444, Ap
36	37	7.4	1141	4	US-09-806-708B-22	Sequence 22, Appl
37	36.8	7.3	18773	4	US-09-949-016-14164	Sequence 14164, A
c 38	36.8	7.3	94133	4	US-09-949-016-11901	Sequence 11901, A
c 39	36.8	7.3	94133	4	US-09-949-016-12713	Sequence 12713, A
c 40	36.8	7.3	94135	4	US-09-949-016-15934	Sequence 15934, A
c 41	36.8	7.3	94135	4	US-09-949-016-15935	Sequence 15935, A
c 42	36.8	7.3	94135	4	US-09-949-016-15936	Sequence 15936, A
c 43	36.8	7.3	94135	4	US-09-949-016-15937	Sequence 15937, A
c 44	36.6	7.3	659	4	US-09-270-767-29436	Sequence 29436, A
c 45	36.6	7.3	729	4	US-09-601-198-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-09-717-364A-1
; Sequence 1, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Mualem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krisspel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezael
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; TITLE OF INVENTION: VARIOUS USES THEREOF
; FILE REFERENCE: 1567/53655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 26270
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25290)..
; OTHER INFORMATION: N=Unknown
US-09-717-364A-1

Query Match 13.0%; Score 65; DB 4; Length 26270;
Best Local Similarity 53.6%; Pred. No. 5.7e-07;
Matches 157; Conservative 0; Mismatches 135; Indels 1; Gaps 1;

Qy	162	AATAATTCATTAATGACCTTCTTAATGTTATAGATCAATTCATCAACAAAGCTCTT	221
Db	9446	AATCAACGAAAGAAATGCTTCTTAAGATGTGCAGAGATCTTATCTGGAATGCTCCT	9505
Qy	222	TTA-GCTATAAAATTTTAAAGTCACCCGTTGCAACAAATTTGAATGCTTTAGATCA	280
Db	9506	AGATTGTCGAAGGAATTTAGAAATATGCCCGTAGCTAATAAATGATTGATTGAGAAA	9565
Qy	281	GCAGTTGTGCTCCAGAAAAGATGATCTCTCGAAATATAGCAATCTTTTAAAGAA	340

Db 9566 GCAATTGTTTCAGCCTAAAAAGACAGATACCTCAACCATGCTTTCTATATAATTGTTAAACAA 9625
QY 341 TTAGTTGCTTTGGAGCTATTGCGAGTGATGAAGTTGGCCCATTAATTCTGACCTTCTT 400
Db 9626 TTAGTTGATACAGGGGCTATTTTCCCTCGAAGAGCTTCTGCTGTTTATAGCAGGTTGTTG 9685
QY 401 ATCAGAGTTTCACAAAATATATAGCTTTGAATGTTCAATCAAAATTTGCAAACTTTT 453
Db 9686 GACAGGCTTGTAAAGTTTAACTCTATTAGAAATCATATAAATCTAGAGGTCT 9738

RESULT 2
US-09-545-481-3
; Sequence 3, Application US/09545481
; Patent No. 6451319
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: No. 6451319el Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/09/545,481
; CURRENT FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-09-545-481-3

Query Match 12.9%; Score 64.8; DB 3; Length 34185;
Best Local Similarity 55.3%; Pred.No. 7e-07;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;
QY 242 AGTCAACCGTTTGCACAAACAAATTTGAATGCTTTAGAAATCAGCAGTGTGCTCCCAAGAAA 301
Db 11612 AGTCAGCCATTGCAATAGGATCAGCGCTATTCTTGAGCGGTGCTTCTCTAGAAA 11671
QY 302 GATGATATCTCGAAATGATAGCAATCTTTTAAAGAAATGATGCTTTGGAGGCTATT 361
Db 11672 AATCCGACTCATGAAAAAGTGTGTCAATTTGCAACGCTTGTGTAGAAAACGGCGCTATT 11731
QY 362 CGCAGTGATGAAGTTGGCCCATTTATATTCTGACCTTCTTATCAGAGTTTCAAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGCGGAGGTGTACAACGCTCTGCTTGAGAGGGTATCTCGATACAC 11791
QY 422 AGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGACATTAAA 469
Db 11792 AGTATGAATGTTTCAGACTAGTATAGACAGGCTTAGTCAAGATGTGAGA 11839

RESULT 3
US-09-717-364A-4
; Sequence 4, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Muallem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krispel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezalel
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 1515
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
US-09-717-364A-4
Query Match 12.8%; Score 64; DB 4; Length 1515;
Best Local Similarity 54.3%; Pred.No. 4.4e-07;
Matches 150; Conservative 0; Mismatches 125; Indels 1; Gaps 1;
QY 179 GACTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTTTTAA-GCTATAAAAATTT 237
Db 3 GTCTTCTAAGGATGTGGCAGAGATCTTATCTGGAATGCTCTAGATTGTCAAGGAATT 62
QY 238 TAAAGTCAACCGTTTGCACAAACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGCTCCCAAG 297
Db 63 TAGAAATATGCCGTAGCTATAAAATGATTGAGTTGGAGAAAGCAATTTGTTGAGCTTAA 122
QY 298 AAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAAAGAAATTTAGTTGCTTTGGGAGC 357
Db 123 AAAGACAGATATCTCCCAACCATGCTTTCTATAATTTGTTAAACAATTTAGTTGATACAGGGGC 182
QY 358 TATTCGAGTGATGAAGTTGGCCCATTAATTTCTGACCTTCTTATCAGAGTTTCACAATA 417
Db 183 TATTTTCCCTGAAGAAAGCTTCTGCTGTTTATAGCAGGTTGTTGGACAGGCTTTGTAAGTT 242
QY 418 TAATAGCTTTGAATGTTCAATCAAAATTTGCAAACTTT 453
Db 243 TAACTCTATTAGAAATCATATAAATCTTAGAAGGTCT 278

RESULT 4
US-09-713-678-39
; Sequence 39, Application US/09713678
; Patent No. 6492169
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/09/713,678
; CURRENT FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/134,764
; PRIOR FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: Human Adenovirus Type 35
US-09-713-678-39
Query Match 8.9%; Score 44.8; DB 4; Length 34794;
Best Local Similarity 49.6%; Pred.No. 0.11;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAACAAATTTGAATGCTTTTAGAATCAGCAGTTGTGC 290
Db 11972 AAGCCTTTAGACAGCAACCCAGGCAACCGCTCTATCGCCATCATCGAAGCTGTAGTGC 12031
QY 291 CTCCAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTTGCTT 350
Db 12032 CTTCCTGATCTAATCCCACTCATGAGAAGGTCCTGGCCATCGTGAACCGCTTGGTGAGA 12091


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; MOLECULE TYPE: DNA (genomic)
US-08-062-632-4

Query Match      8.8%; Score 44; DB 1; Length 2334;
Best Local Similarity 47.6%; Pred. No. 0.077;
Matches 196; Conservative 0; Mismatches 210; Indels 6; Gaps 2;

QY 50 AAAAAAGTCTAGAGTAGAACCAAGTACGAAATGTATATGTTGACGCTTAAAGGT 109
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 517 AAAAAAAAAAAAAAAAAAGTAAATAAGGAAGAAGATATTTATAAAGATTGAA--T 460

QY 110 GCACCTTGAACATCTCGATTCCGACGAGACGAGACAGTGGACTTCAAAATGAATAATPA 169
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 459 AATATTGAATTATTGCAAAATATCAGATATAAAGGTCACCTCTTTACTATAATCAAAATTAT 400

QY 170 TCATAAATCGACTTCTAAATGTTATAGATGCAATCTATCAAAACAAAGCTTTTAGCTAT 229
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 399 TTTACTATAGAATTTTATATTAATTAATAGTATGTTTGGCTCAAAATTCAGCACTTTTATTAT 340

QY 230 AA----AAATTTTAAAGTCAACCGTTTGCACAAATGAAATGCTTTTGAATCAGCAGT 285
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 339 AAATCAAAATTTAAATTTGTTTTTATGATAAAATATCAAGAATAGATTATAAC 280

QY 286 TGTGCTTCCAGAAAGATGATACTCTCGAAATGATAGCAAAATCTTTTAAAGAAATTAGT 345
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 279 TATGTTAAATCTAAAAACTTAAGTAAACAAATTTCTAAAAATTTATTAAGAAAAATCGCTT 220

QY 346 TGTCTGGGAGCTATTCGAGTATGATGAAGTGTGGCCCATTTATCTGACCTTCTTATCAG 405
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 219 AATATTGCGTATTTTATTTATTTTACTTTGTTGTTTAAATAGTTTCTGCGCTTTTATCTT 160

QY 406 AGTTCAAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACA 457
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 159 TGTCTACCAATTATAAATGTCGAGGAACCTCAATGTTTCCACCTTAAAA 108

RESULT 8
US-09-806-708B-22/c
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)..(1141)
; OTHER INFORMATION: Consensus sequence of A.t., L.a., and B.n. FAEI promoters
US-09-806-708B-22

Query Match      8.5%; Score 42.8; DB 4; Length 1141;
Best Local Similarity 10.1%; Pred. No. 0.13;
Matches 49; Conservative 203; Mismatches 232; Indels 2; Gaps 1;

QY 1 AGAAGTATAGTTGCTATCTGTGAATCCATATTCGAAAAATCCCTTTGAAAAAGTCAA 60
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 680 MRRRWMTNTRKRWYSTRHHYTGATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 621

QY 61 AGTAGAAGTAGAACCAAGTACGAAATGTATGTTTCAGCTTAAAGGTCGACTTGAACA 120
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 620 GMTVRKKVKWRDTCYIVDVWDADSWWYTWANWRKRDVYTYTNNYCKSYAHYSWNSN 561

QY 121 TCTGATCCGACGAAGACGAGACAGTGGACTTCAAAATGAATAATTATCATATAATGGA 180
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; 560 AMYRRYSARNWSSMARWTTTRNNWMMSGBVRMRWAGTMMWRHWNNTDTRYYYWWKRW 501
; 181 CTTCTAATGTTATAGATGCAATTCCTATCAACCAAGCTCTTTTACGCTATAAAATTTTAA 240
; 500 RBTITVYDSMCNKSMMRGNNWRAMKMWAAANDAGADHWITYWNGNNTMMRRRAWKMN 441
; 241 AAGTCAACCGTTTGCACAAACAAATGCAATGCTTTAGAAATCAGCAGTGTGCGCTCCCAAGAAA 300
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; 440 MAWCERAYCCNNNNNRACVWHGKMWRTWKYMWKACACNNNNNBKAMYMRVAMMYSRDIT 381
; 301 AGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTTGCTTTGGGAGCTAT 360
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; 380 --NTDMMWTISDBWHYTVDTVMRAWNNNNNNNNNRBCKTTSWMMWMDHMHNTHTCYGN 323
; 361 TCGCAGTATGATGAAGTTGCGCCCATTTATATCTGACCTTCTTATCAGAGTTCCAAATATAA 420
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; 322 TWGSAYBAWMSMMAAGASNBVTYVNCWRMTYMGKTMNTNNNNNNKAWYTRTKTVAVCNRR 263
; 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGAGACATTAATCACTTCAATC 480
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
; 262 YYDTAVMTBKRYKYCYABWYBYBMYGKHHBWBWRABHRSWNWVWVKCRNKYVSWH 203
; 481 CGATAT 486
; 202 YHAMRY 197

RESULT 9
US-09-171-461-1
; Sequence 1, Application US/09171461
; Patent No. 6335016
; GENERAL INFORMATION:
; APPLICANT: Baker, Adam
; APPLICANT: Cotten, Matthew
; APPLICANT: Chioocca, Susanna
; APPLICANT: Kurzbauer, Robert
; APPLICANT: Schaffner, Gotthold
; TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus
; FILE REFERENCE: 0652.180000
; CURRENT APPLICATION NUMBER: US/09/171,461
; CURRENT FILING DATE: 1999-01-12
; EARLIER APPLICATION NUMBER: PCT/EP97/01944
; EARLIER FILING DATE: 1997-04-18
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 43804
; TYPE: DNA
; ORGANISM: CELO Virus
; FEATURE:
; NAME/KEY: Gene
; LOCATION: (12193)..(15043)
; OTHER INFORMATION: /gene: L1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (15080)
; OTHER INFORMATION: /note= L2 region penton base splice acceptor site
; FEATURE:
; NAME/KEY: gene
; LOCATION: (15110)..(17495)
; OTHER INFORMATION: /gene: L2
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: (17526)
; FEATURE:
; NAME/KEY: gene
; LOCATION: (17559)..(21754)
; OTHER INFORMATION: /gene: L3
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (18261)
; OTHER INFORMATION: /gene: L3 /note= hexon splice acceptor site
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FEATURE:
NAME/KEY: misc feature
LOCATION: (21102)
OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
FEATURE:
NAME/KEY: misc feature
LOCATION: (21123)
OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
FEATURE:
NAME/KEY: polyA site
LOCATION: (21767)
FEATURE:
NAME/KEY: polyA site
LOCATION: (21824)
FEATURE:
NAME/KEY: polyA site
LOCATION: (21836)
FEATURE:
NAME/KEY: polyA site
LOCATION: (21882)
FEATURE:
NAME/KEY: misc feature
LOCATION: (23608)
OTHER INFORMATION: /note= 100K splice acceptor site
FEATURE:
NAME/KEY: misc feature
LOCATION: (23649)
OTHER INFORMATION: /note= 100K splice acceptor site
FEATURE:
NAME/KEY: gene
LOCATION: (23680)..(27886)
OTHER INFORMATION: /gene: L4
FEATURE:
NAME/KEY: polyA site
LOCATION: (27920)
FEATURE:
NAME/KEY: misc feature
LOCATION: (28315)
OTHER INFORMATION: /note= fibre splice acceptor site
FEATURE:
NAME/KEY: misc feature
LOCATION: (28341)
OTHER INFORMATION: / note= fibre splice acceptor site
FEATURE:
NAME/KEY: gene
LOCATION: (28363)..(31768)
OTHER INFORMATION: /gene: L5
FEATURE:
NAME/KEY: misc feature
LOCATION: (30511)
OTHER INFORMATION: /gene: L5
FEATURE:
NAME/KEY: polyA site
LOCATION: (31770)
US-09-171-461-1
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Query Match      8.3%; Score 41.8; DB 3; Length 43804;
Best Local Similarity 51.3%; Pred. No. 0.69;
Matches 97; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

QY 247 ACCGTTTCGAACAATAATGAATGCTTTTAGATCAGACTGTGCTCCAGAAAAGATGA 306
DB 13426 ACCCTACGCAATCGCCTCATCAAACTCCAGAGCGCCATGTGCTCCAAAAGTGACGG 13485

QY 307 TACTCTCTGAATGATAGCAAAATCTTTTAAAGAAATAGTTGCTTTGGGAGCTATTCGAG 366
DB 13486 TACTTCCGAGCGGGTGGCGGAAATCGTGAAGGGGTAGCCGAGGCGGCATCTACCC 13545

QY 367 TGATGAAGTTGGCCCATTTATATTTCTGACCTTCTTATCAGAGTTCAAAATATATAGCTT 426
DB 13546 CGATCAGATGGCGGGAGTCCACTCAGATTTGCTTAAATCGAGCTTACACGTGGAATTCAT 13605

QY 427 GAATGTTTCA 435
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Db 13606 GGGGGTGCA 13614
RESULT 10
US-09-970-711-1
; Sequence 1, Application US/09970711
; Patent No. 6773709
; GENERAL INFORMATION:
; APPLICANT: Baker, Adam
; APPLICANT: Cotten, Matthew
; APPLICANT: Chiocca, Susanna
; APPLICANT: Kurzbaue, Robert
; APPLICANT: Schaffner, Gotthold
; TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus
; FILE REFERENCE: 0652.1800001
; CURRENT APPLICATION NUMBER: US/09/970,711
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/171,461
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: PCT/BP97/01944
; PRIOR FILING DATE: 1997-04-18
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 43804
; TYPE: DNA
; ORGANISM: CELO Virus
; FEATURE:
; NAME/KEY: gene
; LOCATION: (12193)..(15043)
; OTHER INFORMATION: /gene: L1
; NAME/KEY: misc feature
; LOCATION: (15080)
; OTHER INFORMATION: /note= L2 region penton base splice acceptor site
; NAME/KEY: gene
; LOCATION: (15110)..(17495)
; OTHER INFORMATION: /gene: L2
; NAME/KEY: polyA site
; LOCATION: (17526)
; NAME/KEY: gene
; LOCATION: (17559)..(21754)
; OTHER INFORMATION: /gene: L3
; NAME/KEY: misc feature
; LOCATION: (18261)
; OTHER INFORMATION: /gene: L3 /note= hexon splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (21102)
; OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (21123)
; OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
; NAME/KEY: polyA site
; LOCATION: (21767)
; NAME/KEY: polyA site
; LOCATION: (21824)
; NAME/KEY: polyA site
; LOCATION: (21836)
; NAME/KEY: polyA site
; LOCATION: (21882)
; NAME/KEY: misc feature
; LOCATION: (23608)
; OTHER INFORMATION: /note= 100K splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (23649)
; OTHER INFORMATION: /note= 100K splice acceptor site
; NAME/KEY: gene
; LOCATION: (23680)..(27886)
; OTHER INFORMATION: /gene: L4
; NAME/KEY: polyA site
; LOCATION: (27920)
; NAME/KEY: misc feature
; LOCATION: (28315)
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OTHER INFORMATION: /note= fibre splice acceptor site
NAME/KEY: misc feature
LOCATION: (28341)
OTHER INFORMATION: /note= fibre splice acceptor site
NAME/KEY: gene
LOCATION: (28363)..(31768)
OTHER INFORMATION: /gene: L5
NAME/KEY: misc feature
LOCATION: (30511)
OTHER INFORMATION: /gene: L5 /note= fibre splice acceptor site
NAME/KEY: polyA site
LOCATION: (31770)
US-09-970-711-1

Query Match 8.3%; Score 41.8; DB 4; Length 43804;
Best Local Similarity 51.3%; Pred. No. 0.69; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 92; Indels 0; Gaps 0;
QY 247 ACCGTTTGCAACAAATGAATGCTTTAGAAATCAGCAGTTGTGCTCCCAAGAAAGATGA 306
DB 13426 ACCCTACGCAATCGCTCATCAAACTCCAGAGCGCATGGTCCCTCCAAAAGTGGACGG 13485
QY 307 TACTCTGAATGATAGCAAAATCTTTAAAAGAAATAGTTGCTTTGGGAGCTATTGCGAG 366
DB 13486 TACTTCGAGCGGGTGGCGAAATCGTAAAGGGCTAGCGGAGCGGCCATCTACCC 13545
QY 367 TGATGAAGTTGGCCATTATATCTGACCTTCTTATCAGAGTTCCAAATATAATAGCTT 426
DB 13546 CGATCAGATGGGGCGGATCCACTCAGATTGCTTTAATCGAGCTTACACGTGGAATTCAT 13605
QY 427 GAATGTTC 435
DB 13606 GGGGGTGCA 13614

RESULT 11
US-09-949-016-17091
Sequence 17091, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17091
LENGTH: 41736
TYPE: DNA
ORGANISM: Human
US-09-949-016-17091

Query Match 8.3%; Score 41.4; DB 4; Length 41736;
Best Local Similarity 53.4%; Pred. No. 0.86;
Matches 87; Conservative 0; Mismatches 76; Indels 0; Gaps 0;
QY 146 AGTGGACTTCAAAATGAATATATCAATAATGAGCTTCTAATGTTATAGATGCAATCTT 205
DB 29836 AGTGTGAAAAAACAAGATGATTAGCTCAATATATACTAAATTTATAAAATAAAATG 29895
QY 206 ATCAACAAAGCTCTTTTGTAGCTATAAAATTTTAAAGTCAACCGTTTGCACAAATG 265
DB 29896 TACAATAATAATAACATACCATTATAAATTTTAAATAGATAAAATTTACATACAGCAG 29955
QY 266 AATGCTTTAGAAATCAGCAGTTGTGCTCCCAAGAAAGATGATA 308

DB 29956 AATACTTATGTAGTGCACACTGCTACTCAATAAATAGAAATA 29998

RESULT 12
US-09-740-041-3/c
Sequence 3, Application US/09740041
Patent No. 6562593
GENERAL INFORMATION:
APPLICANT: MERKULOV, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
AND USES THEREOF
FILE REFERENCE: CL001001
CURRENT APPLICATION NUMBER: US/09/740,041
CURRENT FILING DATE: 2000-12-20
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 66804
TYPE: DNA
ORGANISM: Human
US-09-740-041-3

Query Match 7.8%; Score 39; DB 4; Length 66804;
Best Local Similarity 48.7%; Pred. No. 4.1;
Matches 135; Conservative 0; Mismatches 140; Indels 2; Gaps 1;
QY 85 AATGTATATGTTCACTTAAAGGTGCACCTTGAACATCTGATTCGAGGAGACGAGA 144
DB 66049 ATTGTAGTATTTCTCTGTATAACTACTGCTATATATTGTGATTTCCCTGAATATCATTC 65990
QY 145 CAGTGGACTTCAAAATGAATATATCATAAATGACCTTCTAATGTTATAGATGCAATTC 204
DB 65989 CAAATAGAGTCATCAATGATCTTTTGATACA--AAATCATATTTTATACATCTGATG 65932
QY 205 TATCAACAAAGCTCTTTTGTAGCTATAAAATTTTAAAGTCAACCGTTTGCACAAAT 264
DB 65931 AAATCTTCTAATATATCTCCAGCAGAAAGGCTAAAGAGATACATTTTTTAAAAATAGA 65872
QY 265 GAATGCTTTAGATCAGCAGTTGTGCTCCAGAGAAAGATGATCTCTCTGTAATGATAGC 324
DB 65871 AAATCTTCTTCAAGAACTTTTACCTTAAGAAAAACATCAACCTCTTCTTAATATTAA 65812
QY 325 AAATCTTTTAAAGAAATAGTTGCTTTGGGAGCTATT 361
DB 65811 ATGCTTTAAAGTTTGTAGTAGTTTGGACATCAT 65775

RESULT 13
US-08-592-214A-20/c
Sequence 20, Application US/08592214A
Patent No. 581536
GENERAL INFORMATION:
APPLICANT: Yanofsky, Martin F.
TITLE OF INVENTION: Cauliflower Floral Meristem Identify
TITLE OF INVENTION: Genes and Methods of Using Same
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,214A
FILING DATE: 26-JAN-1996

```
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Campbell, Cathryn A.
/ REGISTRATION NUMBER: 31,815
/ REFERENCE/DOCKET NUMBER: P-UD 1927
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 535-9001
/ TELEFAX: (619) 535-8949
/ INFORMATION FOR SEQ ID NO: 20:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 5855 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: 1..5855
/ OTHER INFORMATION: /note= "sequence = Arabidopsis
/ OTHER INFORMATION: thaliana CAL gene"
US-08-592-214A-20

Query Match 7.7%; Score 38.8; DB 1; Length 5855;
Best Local Similarity 48.4%; Pred. No. 2.2;
Matches 106; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

Qy 141 AAGACAGTGGGACTTCAAAATGAATTAATATCATATAATGGACTTCTAATGTTATAGATGCA 200
Db 1167 AATNAAGGAATATCCAAATACAAATACCAATAAGTTTTTTTGTACTACTAAGCAA 1108

Qy 201 ATTCTATCAACAAGCTCTTTTAGCTATATAAAATTTTAAAGTCAACCGTTTGCAACA 260
Db 1107 ATTATATACTCAACTTTTCTTTTGTCTTAAATTTCTTGATGGAATTTCTAGGGAATA 1048

Qy 261 AATTGAATGCTTTAGAATCAGCAGTTGTGCTCCAGAAAGATGATATCTCTGAAATGA 320
Db 1047 ATTAAGAGACTACGTATTATAGATTAAATACACCATGATCATTTAAGCAGACCAATGA 988

Qy 321 TAGCAAAATCTTTTAAAGAAATAGTTGCTTTGGGAGCTA 359
Db 987 TAATTAACCTATTGAACACGATTATTTCATGTAGTAGCTA 949

RESULT 14
US-09-149-976-20/c
/ Sequence 20, Application US/09149976
/ Patent No. 6127123
/ GENERAL INFORMATION:
/ APPLICANT: Yanofsky, Martin F.
/ TITLE OF INVENTION: Cauliflower Floral Meristem Identity
/ FILE REFERENCE: Genes and Methods of Using Same
/ NUMBER OF SEQUENCES: 33
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Campbell & Flores LLP
/ STREET: 4370 La Jolla Village Drive, Suite 700
/ CITY: San Diego
/ STATE: California
/ COUNTRY: United States
/ ZIP: 92122
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/149,976
/ FILING DATE: 09-SEP-1998
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/592,214
/ FILING DATE: 26-JAN-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Campbell, Cathryn A.
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/ REGISTRATION NUMBER: 31,815
/ REFERENCE/DOCKET NUMBER: P-UD 3291
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 535-9001
/ TELEFAX: (619) 535-8949
/ INFORMATION FOR SEQ ID NO: 20:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 5855 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: 1..5855
/ OTHER INFORMATION: /note= "sequence = Arabidopsis
/ OTHER INFORMATION: thaliana CAL gene"
US-09-149-976-20

Query Match 7.7%; Score 38.8; DB 3; Length 5855;
Best Local Similarity 48.4%; Pred. No. 2.2;
Matches 106; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

Qy 141 AAGACAGTGGGACTTCAAAATGAATTAATATCATATAATGGACTTCTAATGTTATAGATGCA 200
Db 1167 AATNAAGGAATATCCAAATACAAATACCAATAAGTTTTTTTGTACTACTAAGCAA 1108

Qy 201 ATTCTATCAACAAGCTCTTTTAGCTATATAAAATTTTAAAGTCAACCGTTTGCAACA 260
Db 1107 ATTATATACTCAACTTTTCTTTTGTCTTAAATTTCTTGATGGAATTTCTAGGGAATA 1048

Qy 261 AATTGAATGCTTTAGAATCAGCAGTTGTGCTCCAGAAAGATGATATCTCTGAAATGA 320
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Qy 321 TAGCAAAATCTTTTAAAGAAATAGTTGCTTTGGGAGCTA 359
Db 987 TAATTAACCTATTGAACACGATTATTTCATGTAGTAGCTA 949

RESULT 15
US-09-621-976-2813
/ Sequence 2813, Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Jobert, S.
/ APPLICANT: Giordano, J.Y.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.
/ FILE REFERENCE: GENSET.054PR2
/ CURRENT APPLICATION NUMBER: US/09/621,976
/ CURRENT FILING DATE: 2000-07-21
/ NUMBER OF SEQ ID NOS: 19335
/ SOFTWARE: Patent.Pm
/ SEQ ID NO 2813
/ LENGTH: 832
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 235..399
US-09-621-976-2813

Query Match 7.7%; Score 38.6; DB 4; Length 832;
Best Local Similarity 9.5%; Pred. No. 1.4;
Matches 30; Conservative 159; Mismatches 123; Indels 3; Gaps 1;

Qy 158 AATGAATAATTATCATAAATGGACTTCTAATGTTATAGATGCAATTTCTATCAACAAAGC 217
Db 47 AWWKYKWTWYWRVYAMWGYKKKAMCRTRTKKKKKKGYMMWYWGRRSYMAWTRTW 106

Qy 218 TCCTTTAGCTATATAAAATTTTAAAGTCAACCGTTTGCAACAAATTTGAATGCTTTAGAA 277
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Db	167	YWMCMWTIKRWASWYCWWGKARKNSTWRKSRSYASARSARKCCYSCSWGAMSWKYNW	226
QY	335	AAAGAATTAGTTGCTTTGGGAGCTATTCCGAGTGATGAAAGTTGGCCCATTAATTCTGAC	394
Db	227	RMRWRGWTGAGMKAWRASCHWRKRYAGSKTSYKSMWMCWTRSNKYCYTKARWTGYC	286
QY	395	CTCTTATCAGAGTTCACAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTA	454
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Job time : 118.98 secs

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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 499.821 Seconds
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	501	100.0	32745	9	US-09-464-767-3
3	64.8	12.9	34185	15	US-10-199-520-3
4	64.8	12.9	34185	20	US-10-874-827-3
5	44.8	8.9	34794	15	US-10-002-720-44
6	44.8	8.9	34794	15	US-10-272-041-39
7	44.8	8.9	34794	16	US-10-164-085-39

8	44.8	8.9	34794	16	US-10-002-750-44	Sequence 44, Appl
9	44.8	8.9	34794	21	US-10-951-102-82	Sequence 82, Appl
10	44.8	8.9	34794	22	US-10-516-504-1	Sequence 1, Appl
11	44.8	8.9	34796	19	US-10-645-794-1	Sequence 1, Appl
12	44.8	8.9	34796	19	US-10-645-187-13	Sequence 13, Appl
13	44.4	8.9	1784	16	US-10-349-680-117	Sequence 117, Appl
14	44.2	8.8	34446	9	US-09-871-212-1	Sequence 1, Appl
15	43.6	8.7	34125	9	US-09-782-378A-25	Sequence 25, Appl
16	43.2	8.6	408	21	US-10-275-323A-13	Sequence 13, Appl
17	43.2	8.6	34775	19	US-10-645-794-12	Sequence 12, Appl
18	43.2	8.6	34775	19	US-10-645-187-1	Sequence 1, Appl
19	43.2	8.6	34793	19	US-10-350-304A-1	Sequence 1, Appl
20	43.2	8.6	34794	21	US-10-794-514A-733	Sequence 733, Appl
21	42.6	8.5	34214	9	US-09-782-378A-27	Sequence 27, Appl
22	42.4	8.5	7498	15	US-10-311-455-230	Sequence 230, Appl
23	42.4	8.5	12968	14	US-10-239-676-202	Sequence 202, Appl
24	42.4	8.5	12968	15	US-10-311-455-2058	Sequence 2058, Ap
25	42.4	8.5	12968	15	US-10-240-453-298	Sequence 298, Appl
26	42.4	8.5	12968	18	US-10-321-714A-506	Sequence 506, Appl
27	42.2	8.4	8323	15	US-10-311-455-31	Sequence 31, Appl
28	42	8.4	1688	13	US-10-027-632-254252	Sequence 254252,
29	42	8.4	1688	17	US-10-027-632-254252	Sequence 254252,
30	41.8	8.3	43804	9	US-09-970-711-1	Sequence 1, Appl
31	41.6	8.3	6076	15	US-10-311-455-338	Sequence 338, Appl
32	41.6	8.3	6076	15	US-10-240-485-34	Sequence 34, Appl
33	41.6	8.3	11694	18	US-10-221-714A-421	Sequence 421, Appl
34	41.4	8.3	629	13	US-10-027-632-215530	Sequence 215530,
35	41.4	8.3	629	17	US-10-027-632-215530	Sequence 215530,
36	41.4	8.3	5430	18	US-10-221-714A-14	Sequence 14, Appl
37	41.4	8.3	38719	22	US-10-737-082-43	Sequence 43, Appl
38	41.4	8.3	38719	22	US-10-765-790-43	Sequence 43, Appl
39	41.2	8.2	6013	17	US-10-221-613-226	Sequence 226, Appl
40	41.2	8.2	37515	19	US-10-433-793-28	Sequence 28, Appl
41	41	8.2	427	17	US-10-242-535A-28400	Sequence 28400, A
42	41	8.2	427	18	US-10-085-783A-28400	Sequence 28400, A
43	41	8.2	921	20	US-10-425-115-131322	Sequence 131322,
44	41	8.2	6113	15	US-10-311-455-1796	Sequence 1796, Ap
45	40.8	8.1	13919	18	US-10-240-589C-113	Sequence 113, Appl

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
; US-09-464-767-1

Query Match	100.0%	Score 501;	DB 9;	Length 29544;
Best Local Similarity	100.0%	Pred. No. 2.3e-104;		
Matches 501;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Oy.	1	AGAAAGTATAGTGGCTATACGTGAATCCATATTCGAAAAATCCTTTGAAAAAGTCAAA	60	
Db	10001	AGAAAGTATAGTGGCTATACGTGAATCCATATTCGAAAAATCCTTTGAAAAAGTCAAA	10060	
Oy	61	AGTAAAGTAGAACCAAGTCAGGAATGTATATGTTAGCTTAAAGTGCACCTTGACA	120	

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QY 121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATTAATTAATCAATAATGGA 180
Db 10121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATTAATTAATCAATAATGGA 10180
QY 181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATATAAAATTTTAA 240
Db 10181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATATAAAATTTTAA 10240
QY 241 AGTCAACCGTTTGCACAAACAAATTTGAATCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 300
Db 10241 AGTCAACCGTTTGCACAAACAAATTTGAATCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 10300
QY 301 AGATGATACTCTCGTAATGATAGCAATCTTTTAAAGAAATTAGTGTGCTTTGGGAGCTAT 360
Db 10301 AGATGATACTCTCGTAATGATAGCAATCTTTTAAAGAAATTAGTGTGCTTTGGGAGCTAT 10360
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QY 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGAGACATTAATCACTTCAATC 480
Db 10421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGAGACATTAATCACTTCAATC 10480
QY 481 CGATATAATTAGAAGTTCCGA 501
Db 10481 CGATATAATTAGAAGTTCCGA 10501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.4e-104; Mismatches 0; Indels 0; Gaps 0;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 10000 AGAAGTATAGGTTGCTATCTGTAATCCATATTCGAAATTCCTTTGAAAGAGTCAAA 10059
QY 61 AGTAGAAGTAGAACCAAGTGACGAAGATGATATGTTTACGCTTAAAGGTGCACTTGAACA 120
Db 10060 AGTAGAAGTAGAACCAAGTGACGAAGATGATATGTTTACGCTTAAAGGTGCACTTGAACA 10119
QY 121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATTAATTAATCAATAATGGA 180
Db 10120 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATTAATTAATCAATAATGGA 10179
QY 181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATATAAAATTTTAA 240
Db 10180 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATATAAAATTTTAA 10239
QY 241 AGTCAACCGTTTGCACAAACAAATTTGAATCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 300

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QY 421 TAGCTTGAATCTTCAATCAAAATTTGCAAACTTTTAACAGAGACATTAATCACTTCAATC 480
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QY 481 CGATATAATTAGAAGTTCCGA 501
Db 10480 CGATATAATTAGAAGTTCCGA 10500

RESULT 3
US-10-199-520-3
; Sequence 3, Application US/10199520
; Publication No. US20030108569A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: No. US20030108569A1el Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/10/199,520
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/09/545,481
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-10-199-520-3

Query Match 12.9%; Score 64.8; DB 15; Length 34185;
Best Local Similarity 55.3%; Pred. No. 0.00035;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

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QY 302 GATGATACTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTGTGCTTTGGGAGCTATT 361
Db 11672 AATCGACTCATGAAAAAGTGTGTCATTTGTCACGCTTTGGTAGAAAAACGGCGCTATT 11731
QY 362 CGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGCGCAGGTGTACACGCTCTGCTTGAGAGGGTATCTCGATACAAAC 11791
QY 422 AGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGAGACATTAATAA 469
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RESULT 4
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; Sequence 3, Application US/10874827
; Publication No. US20040234549A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Novel Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/10/874,827

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; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/10/199,520
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/09/545,481
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-10-874-827-3

Query Match          12.9%; Score 64.8; DB 20; Length 34185;
Best Local Similarity 55.3%; Pred. No. 0.00035;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 242 AGTCAACCGTTTGGCAACAAATGAATGCTTTAGAAATCAGCAGTTGTGCTCCCAAGAAA 301
Db 11612 AGTCAGCCATTTGCAATAGATCAGCGCTATTCTTGAGGCGGTGCTCTCTTAGAAA 11671

Qy 302 GATGATCTCTGAAATAGTACAAATCTTTTAAAGAAATAGTGTGCTTGGGAGCTATT 361
Db 11672 AATCGACTCATGAAAAAGTCTGTCAATTGTCAACGCTTTGGTAGAAACGGCGCTATT 11731

Qy 362 CGCAGTGATGAAGTTGGGCCATTATATTCTGCACCTCTTATCAGAGTTTCACAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGCGAGGTGTAACAACGCTCTGCTTGAGAGGGTATCTCGATACAC 11791

Qy 422 AGCTTGATGTTCAATCAAAATTTGCMAACTTTTAAACAGGAGACATTAAA 469
Db 11792 AGTATGAATGTTTCAGACTAGTATAGACAGGCTTAGTCAAGATGTGAGA 11839

RESULT 5
US-10-002-720-44
; Sequence 44, Application US/10002720
; Publication No. US20030103751A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo J.E.
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: Complementing cell lines
; FILE REFERENCE: P58204US10
; CURRENT APPLICATION NUMBER: US/10/002,720
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/713,678
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: adenoviridae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(34794)
; OTHER INFORMATION: /note="Nucleic acid sequence of Ad 35"
US-10-002-720-44

Query Match          8.9%; Score 44.8; DB 15; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

Qy 231 AAAATTTTAAAGTCAACCGTTTGCMAACAAATTTGAATGCTTTTAAAGAAATTTAGTGTTC 290
Db 11972 AAGCTTTTAGACAGCAACCCCGGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12031

Qy 291 CTCGAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTGTTC 350
Db 12032 CTTCCGATCTAATCCCACTCATGAGAGGTCTCTGGCCATCGTGAACGCGTTGGTGAGA 12091

Qy 351 TGGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATTTCTGACCTTCTTATCAGAGTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGA 462
Db 12152 CTCGCTACAACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 7
US-10-164-085-39
; Sequence 39, Application US/10164085
; Publication No. US20030171336A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: Complementing cell lines
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/164,085
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: 09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
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Qy 351 TGGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATTTCTGACCTTCTTATCAGAGTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGA 462
Db 12152 CTCGCTACAACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 6
US-10-272-041-39
; Sequence 39, Application US/10272041
; Publication No. US20030119192A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/272,041
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/134,764
; PRIOR FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: Human Adenovirus Type 35
US-10-272-041-39

Query Match          8.9%; Score 44.8; DB 15; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

Qy 231 AAAATTTTAAAGTCAACCGTTTGCMAACAAATTTGAATGCTTTTAAAGAAATTTAGTGTTC 290
Db 11972 AAGCTTTTAGACAGCAACCCCGGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12031

Qy 291 CTCGAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTGTTC 350
Db 12032 CTTCCGATCTAATCCCACTCATGAGAGGTCTCTGGCCATCGTGAACGCGTTGGTGAGA 12091

Qy 351 TGGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATTTCTGACCTTCTTATCAGAGTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGA 462
Db 12152 CTCGCTACAACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 7
US-10-164-085-39
; Sequence 39, Application US/10164085
; Publication No. US20030171336A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/164,085
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: 09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
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Query Match      8.9%; Score 44.8; DB 22; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11972 AAGCCTTTAGACAGAACCCGCGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12031

QY 291 CTCCAAGAAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12032 CTTCCCGATCTAATCCCACTCATGAGAAGTCTCTGGCCATCGTGAACGGTTGGTGAGA 12091

QY 351 TGGGAGCTATTCCGAGTATGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12092 ACAAGAGCTATTGCTCCAGATGAGCGCGACTGGTATACAACGCTCTCTTAGAACGCGTGG 12151

QY 411 ACAAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
DB 12152 CTCGCTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12203

RESULT 11
US-10-645-794-1
; Sequence 1, Application US/10645794
; Publication No. US20040106194A1
; GENERAL INFORMATION:
; APPLICANT: Bett, Andrew J.
; APPLICANT: Chaustain, Michael
; APPLICANT: Sandig, Volker
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shliver, John W.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Kaslow, David C.
; APPLICANT: Morey, Manal
; TITLE OF INVENTION: METHODS FOR PROPAGATING ADENOVIRUS AND
; TITLE OF INVENTION: VIRUS PRODUCED THEREBY
; FILE REFERENCE: 20699Y
; CURRENT APPLICATION NUMBER: US/10/645,794
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/458,825
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 60/455,312
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/455,234
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/405,182
; PRIOR FILING DATE: 2002-08-22
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 34796
; TYPE: DNA
; ORGANISM: adenovirus serotype 35
US-10-645-794-1

Query Match      8.9%; Score 44.8; DB 19; Length 34796;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11976 AAGCCTTTAGACAGAACCCGCGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12035

QY 291 CTCCAAGAAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12036 CTTCCCGATCTAATCCCACTCATGAGAAGTCTCTGGCCATCGTGAACGGTTGGTGAGA 12095

QY 351 TGGGAGCTATTCCGAGTATGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12096 ACAAGAGCTATTGCTCCAGATGAGCGCGACTGGTATACAACGCTCTCTTAGAACGCGTGG 12155

QY 411 ACAAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
DB 12155 AAGCCTTTAGACAGAACCCGCGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12035
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DB 12156 CTCGCTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12207

RESULT 12
US-10-645-187-13
; Sequence 13, Application US/10645187
; Publication No. US20040191222A1
; GENERAL INFORMATION:
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shliver, John W.
; APPLICANT: Bett, Andrew J.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Kaslow, David C.
; APPLICANT: Chaustain, Michael
; APPLICANT: Morey, Manal
; TITLE OF INVENTION: ADENOVIRUS SEROTYPE 34 VECTORS, NUCLEIC
; TITLE OF INVENTION: ACIDS AND VIRUS PRODUCED THEREBY
; FILE REFERENCE: 21390
; CURRENT APPLICATION NUMBER: US/10/645,187
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/458,825
; PRIOR FILING DATE: 2003-03-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 34796
; TYPE: DNA
; ORGANISM: adenovirus serotype 35
US-10-645-187-13

Query Match      8.9%; Score 44.8; DB 19; Length 34796;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11976 AAGCCTTTAGACAGAACCCGCGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12035

QY 291 CTCCAAGAAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12036 CTTCCCGATCTAATCCCACTCATGAGAAGTCTCTGGCCATCGTGAACGGTTGGTGAGA 12095

QY 351 TGGGAGCTATTCCGAGTATGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12096 ACAAGAGCTATTGCTCCAGATGAGCGCGACTGGTATACAACGCTCTCTTAGAACGCGTGG 12155

QY 411 ACAAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
DB 12156 CTCGCTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12207

RESULT 13
US-10-349-680-117/c
; Sequence 117, Application US/10349680
; Publication No. US20030176654A1
; GENERAL INFORMATION:
; APPLICANT: Cassell, Gail
; APPLICANT: Chen, Ellison
; APPLICANT: Glass, Jennifer
; APPLICANT: Glass, John
; APPLICANT: Heiner, Cheryl
; APPLICANT: Leikowitz, Elliot
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREAPLASMA
; TITLE OF INVENTION: UREALYTICUM
; FILE REFERENCE: UAB-13403/22
; CURRENT APPLICATION NUMBER: US/10/349,680
; CURRENT FILING DATE: 2003-01-23
; PRIOR APPLICATION NUMBER: US 09/601,198
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/US99/01972
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 60/073,189
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 181
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 117
; LENGTH: 1784
; TYPE: DNA
; ORGANISM: Ureaplasma urealyticum
US-10-349-680-117

Query Match      8.9%; Score 44.4; DB 16; Length 1784;
Best Local Similarity 49.6%; Pred. No. 5.1; Mismatches 0; Gaps 0;
Matches 114; Conservative 0; Indels 116; Indels 0; Gaps 0;

QY 13 TTGCTATAGTGAATGCCATATTTGCAAAATCCTTTGAAAAAGTCACAAAGTAGAAGTAGA 72
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 514 TTGATCAACGACTAACAAATTTAAAGCAGCAATAGTACGAAAAATTAATCCACAGAAATAAT 455
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 73 ACCAAGTCAGCAATGCTATATGCTTACGCTTAAAGTGAACATGACCTCGATTCCGA 132
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 454 AATTAAAAAGCATATAAATAAAAAATTAATACCGTTATTTCTTTATATTACTTA 395
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 133 CGAAGACGAAAGCAGTGGACTTCAAAATGAATAATTTATCATAAATGGACTTCTAATGTTA 192
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 394 CGTAAAAATATATTTAAATATAAGTTATTAACTTCAAAAAACAATATTTAATATTA 335
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 193 TAGATCAATTTATCAAAACAAAGCTCTTTTAGCTATATAAAAAATTTTAAAA 242
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 334 AAAAACCTATTTTAGTAAAAATAATGTTTTTACGTGAATACTTTTTTGAA 285
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 14
US-09-871-212-1
; Sequence 1, Application US/09871212
; Patent No. US20020034519A1
; GENERAL INFORMATION:
; APPLICANT: Tikoo, Suresh
; APPLICANT: Babluok, Lorne
; APPLICANT: Zhang, Linong
; APPLICANT: Wu, Qiaohua
; TITLE OF INVENTION: MODIFIED BOVINE ADENOVIRUS HAVING
; FILE REFERENCE: 293102003000
; CURRENT APPLICATION NUMBER: US/09/871,212
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/208,678
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 3446
; TYPE: DNA
; ORGANISM: Bovine Adenovirus 3
US-09-871-212-1

Query Match      8.8%; Score 44.2; DB 9; Length 3446;
Best Local Similarity 49.0%; Pred. No. 19;
Matches 118; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

QY 228 ATAAAAATTTTAAAGTCAACCGTTTGCACACAAAATTTGAATGCTTTAGAAATCAGCAGTTG 287
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11285 ATGGAGACTTTGGCTCGCAGCCCCAGCGAATCGGTTTGGAGCCATCTCTCGAAGCCGTGG 11344
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 288 TGCTCCAAAGAAAAGATGATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTG 347
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11345 TGCCCCCGCGCTCCGATCCACCACATGAAAAGTGTAGCTATTGTGAATGCGCTCTTGG 11404
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 348 CTTTGGGAGCTATTTCGAGTAGTAAGTTGGCCCATATATTCTGACCTTCTTATCAGAG 407
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11405 AGACTCAGGCCCATCCGTCGCGATGAGCGCGAGATGTACACCGCGCTGTTTGCAGCGGG 11464
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 408 TTCACAAATATATAGCTTTGAATGTTCAATCAAAATTTGCAACTTTTAAACAGGAGACATTA 467
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11465 TGCCACAGATACACAGTGTGAATGTGACGGGCAATTTGGACAGGGCTGTATTACGAGCGTGA 11524
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 468 A 468
```

Db 11525 A 11525

RESULT 15

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US-09-782-378A-25
; Sequence 25, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Gandelon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 34125
; TYPE: DNA
; ORGANISM: Human adenovirus type 12
US-09-782-378A-25
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Query Match      8.7%; Score 43.6; DB 9; Length 34125;
Best Local Similarity 50.5%; Pred. No. 26;
Matches 106; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 235 TTTTAAAAAGTCAACCGTTTGCACAAACAAATTCGAATGCTTTAGAAATCAGCAGTTGTGCCTCC 294
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11725 TTTTCGCCAGCAGCCCCAAGCTTAACCGCTTTTCGCCCAFTTTGGNAGCAGTAGTCCGTC 11784
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 295 AAGAAAAGATGATCTCCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTTTGGG 354
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11785 TCGTACTAACCTACTCTACGAGAAAGTGTAAACCATTTGTAATGCTTTTGTGGATAGCAA 11844
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 355 AGCTATTGCGAGTGATGAAGTTGGCCCATTTATTTCTGACCTTCTTATCAGAGTTTCACAA 414
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11845 AGCCATCCGCAAGATGAGGCTGTTTAAATATACAAACGCTTTGCTTTGAGCGCGTGACG 11904
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 415 ATATAATAGCTTGAATGTTCAATCAAAATTT 444
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11905 CTATAACAGTACCAATGTGACAGGCTAATTT 11934
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 115.177 Seconds
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Perfect score: 501
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Searched: 1202784 seqs, 818138359 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19	3.8	601	US-09-949-016-140905	Sequence 140905
2	19	3.8	2682	US-09-328-352-2500	Sequence 2500, Ap
3	19	3.8	148783	US-09-949-016-15729	Sequence 15729, A
4	19	3.8	150394	US-09-949-016-13042	Sequence 13042, A
5	18	3.6	601	US-09-949-016-52270	Sequence 52270, A
6	18	3.6	601	US-09-949-016-87644	Sequence 87644, A
7	18	3.6	601	US-09-949-016-128684	Sequence 128684, A
8	18	3.6	840	US-09-134-000C-460	Sequence 460, App
9	18	3.6	933	US-09-134-000C-2109	Sequence 2109, Ap
10	18	3.6	2425	US-08-804-439A-5	Sequence 5, Appli
11	18	3.6	2425	US-08-720-229-5	Sequence 5, Appli
12	18	3.6	5228	US-09-949-016-12328	Sequence 12328, A
13	18	3.6	34629	US-09-949-016-13295	Sequence 13295, A
14	18	3.6	50368	US-09-949-016-13256	Sequence 13256, A
15	18	3.6	66988	US-09-949-016-11942	Sequence 11942, A
16	18	3.6	66989	US-09-949-016-16063	Sequence 16063, A
17	18	3.6	108440	US-09-949-016-12065	Sequence 12065, A
18	18	3.6	119153	US-09-949-016-14090	Sequence 14090, A
19	18	3.6	108441	US-09-949-016-12378	Sequence 12378, A
20	18	3.6	144922	US-09-949-016-15890	Sequence 15890, A
21	18	3.6	235064	US-09-949-016-15390	Sequence 15390, A
22	18	3.6	237241	US-09-949-016-16101	Sequence 16101, A
23	18	3.6	237510	US-09-949-016-14273	Sequence 14273, A
24	18	3.6	374159	US-09-949-016-15868	Sequence 15868, A
25	18	3.6	524032	US-09-949-016-16928	Sequence 16928, A
26	18	3.6	524032	US-09-949-016-16929	Sequence 16929, A
27	18	3.6	524032	US-09-949-016-16930	Sequence 16930, A

ALIGNMENTS

RESULT 1

US-09-949-016-140905
; Sequence 140905, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 140905
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-140905

Query Match 3.8%, Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 398 TAACCTTTCCTAGAAAGTCA 416
Db 85 TAACCTTTCCTAGAAAGTCA 103

RESULT 2

US-09-328-352-2500
; Sequence 2500, Application US/09328352
; Patent NO. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GFC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2500
; LENGTH: 2682
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii

US-09-328-352-2500

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Query Match      3.8%; Score 19; DB 4; Length 2682;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 213 AGTTGATGAAGTTTCTGAA 231
Db 1476 AGTTGATGAAGTTTCTGAA 1494

RESULT 3

US-09-949-016-15729
; Sequence 15729, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15729
; LENGTH: 148783
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(148783)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15729

Query Match 3.8%; Score 19; DB 4; Length 148783;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 398 TAACTTTCTAGAAAGTCA 416
|||||
Db 43875 TAACTTTCTAGAAAGTCA 43893

RESULT 4

```

RES001 1
US-09-949-016-13042
; Sequence 13042, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13042
; LENGTH: 150394
; TYPE: DNA
; ORGANISM: Human
; FEATURE:

```

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; NAME/KEY: misc_feature
; LOCATION: (1)...(150394)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13042

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Query Match          3.8%; Score 19; DB 4; Length 150394;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 19: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 186 TTTTGAGAAAAATTGTCAAA 204
|||
103416 TTTTGAGAAAAATTGTCAAA 103434
db

RESULT 5

```

US-09-949-016-52270
; Sequence 52270, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52270
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-52270

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Query Match 3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18: Conservative 0: Mismatches 0: Indels 0: Gaps 0;

Qy 86 ATTTATTTTGGTATTTA 103
|||
Db 576 ATTTATTTTGGTATTTA 593

RESULT 6

```

US-09-949-016-87644/c
; Sequence 87644, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87644
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-87644

```

```
Query Match          3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 279 TTCTAATTACTGATTT 296
Db 185 TTCTAATTACTGATTT 168

RESULT 7
US-09-949-016-128684/c
; Sequence 128684, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 128684
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-128684

Query Match          3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 153 AATAAATAATAATAAGA 170
Db 549 AATAAATAATAATAAGA 532

RESULT 8
US-09-134-000C-460
; Sequence 460, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 460
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-460

Query Match          3.6%; Score 18; DB 4; Length 840;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 GATGAAGTTTCTGAAATT 234
Db 757 GATGAAGTTTCTGAAATT 774
```

```
RESULT 9
US-09-134-000C-2109
; Sequence 2109, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2109
; LENGTH: 933
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-2109

Query Match          3.6%; Score 18; DB 4; Length 933;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 GATGAAGTTTCTGAAATT 234
Db 676 GATGAAGTTTCTGAAATT 693

RESULT 10
US-08-804-439A-5
; Sequence 5, Application US/08804439A
; Patent No. 6015565
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Matnix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Ste 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,439A
; FILING DATE: February 21, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 09176/004001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-804-439A-5
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Query Match      3.6%; Score 18; DB 3; Length 2425;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 47 CAACCGAAGACAAATAG 64
Db 2405 CAACCGAAGACAAATAG 2422

RESULT 11
US-08-720-229-5
; Sequence 5, Application US/08720229
; Patent No. 6022542
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Marhix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; TITLE OF INVENTION: SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/720,229
; FILING DATE: 26-SEP-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Schiff, J. Michael
; REGISTRATION NUMBER: 40,253
; REFERENCE/DOCKET NUMBER: 29938--20002.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-720-229-5

Query Match      3.6%; Score 18; DB 3; Length 2425;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 47 CAACCGAAGACAAATAG 64
Db 2405 CAACCGAAGACAAATAG 2422

RESULT 12
US-09-949-016-12328
; Sequence 12328, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
```

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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12328
; LENGTH: 5228
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12328

Query Match      3.6%; Score 18; DB 4; Length 5228;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 AGACAAAATAGACTATAT 71
Db 2823 AGACAAAATAGACTATAT 2840

RESULT 13
US-09-949-016-13295
; Sequence 13295, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13295
; LENGTH: 34629
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13295

Query Match      3.6%; Score 18; DB 4; Length 34629;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAATATA 162
Db 16251 GATAAAACAATAATATA 16268

RESULT 14
US-09-949-016-13256
; Sequence 13256, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
```

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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13256
; LENGTH: 50368
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13256

Query Match      3.6%; Score 18; DB 4; Length 50368;
Best Local Similarity 100.0%; Pred.No. 31;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      86 ATTATTTTGGTATTTA 103
      |||||
Db      26077 ATTATTTTGGTATTTA 26094

RESULT 15
US-09-949-016-11942
; Sequence 11942, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11942
; LENGTH: 66988
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(66988)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11942

Query Match      3.6%; Score 18; DB 4; Length 66988;
Best Local Similarity 100.0%; Pred.No. 31;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      151 ACAATAAATAAATAAATAA 168
      |||||
Db      58817 ACAATAAATAAATAAATAA 58834

Search completed: September 27, 2005, 07:59:21
Job time : 122.177 secs
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Result No.	Score	Match	Length	DB	ID	Description	
1	501	100.0	29544	9	US-09-464-767-1	Sequence 1, Appli	
2	501	100.0	32745	9	US-09-464-767-3	Sequence 3, Appli	
3	21	4.2	574	9	US-09-864-761-12585	Sequence 12585, A	
C 4	21	4.2	3673778	16	US-10-312-841-1	Sequence 1, Appli	
C 5	20	4.0	516	13	US-10-027-632-276564	Sequence 276564, A	
C 6	20	4.0	516	17	US-10-027-632-276564	Sequence 276564, A	
7	19	3.8	245	20	US-10-425-115-75464	Sequence 75464, A	

Result No.	Score	Match	Length	DB	ID	Description	
1	501	100.0	29544	9	US-09-464-767-1	Sequence 1, Appli	
2	501	100.0	32745	9	US-09-464-767-3	Sequence 3, Appli	
3	21	4.2	574	9	US-09-864-761-12585	Sequence 12585, A	
C 4	21	4.2	3673778	16	US-10-312-841-1	Sequence 1, Appli	
C 5	20	4.0	516	13	US-10-027-632-276564	Sequence 276564, A	
C 6	20	4.0	516	17	US-10-027-632-276564	Sequence 276564, A	
7	19	3.8	245	20	US-10-425-115-75464	Sequence 75464, A	

61 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACAGCAATG 120

Matches 501; Conservative 0; Mismatches 0; Indels 0;

[illegible]

61 ATACACCTATATCATATAGATACACGTCTATTTTATTTTGGTATTTTACGTGGCAGACAGCAATG 120

Db 20061 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACGCAATG 20120
Qy 121 GATATTTTGGAAATCAAAATAGATGATAAAACAATAATAATTAATTAAGAGGAATTAAC 180
Db 20121 GATATTTTGGAAATCAAAATAGATGATAAAACAATAATAATTAATTAAGAGGAATTAAC 20180
Qy 181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAG 240
Db 20181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAG 20240
Qy 241 TCTATTTATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 300
Db 20241 TCTATTTATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 20300
Qy 301 AATCAGAGTCAGATATCAAAATTTTAGAAACCTTTATCTGCATTAATCCGGCATACCCGAG 360
Db 20301 AATCAGAGTCAGATATCAAAATTTTAGAAACCTTTATCTGCATTAATCCGGCATACCCGAG 20360
Qy 361 TCAATTTTGGCCCTTATTACCTTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCATCCA 420
Db 20361 TCAATTTTGGCCCTTATTACCTTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCATCCA 20420
Qy 421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 480
Db 20421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 20480
Qy 481 TATTTGCATGAACCCGAAAAA 501
Db 20481 TATTTGCATGAACCCGAAAAA 20501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Both, Gerald
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 7.6e-244;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACACACGGAACAGACTCAATAATCCGAGCAACATACACAAATGGCAACCGAAGACAAA 60
Db 20000 ACACACGGAACAGACTCAATAATCCGAGCAACATACACAAATGGCAACCGAAGACAAA 20059
Qy 61 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGCAATG 120
Db 20060 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGCAATG 20119
Qy 121 GATATTTTGGAAATCAAAATAGATGATAAAACAATAATAATTAATTAAGAGGAATTAAC 180
Db 20120 GATATTTTGGAAATCAAAATAGATGATAAAACAATAATAATTAATTAAGAGGAATTAAC 20179
Qy 181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAG 240
Db 20180 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAG 20239
Qy 241 TCTATTTATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 300

Db 20240 TCTATTTATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 20299
Qy 301 AATCAGAGTCAGATATCAAAATTTTAGAAACCTTTATCTGCAATTAATCCGGCATACCCGAG 360
Db 20300 AATCAGAGTCAGATATCAAAATTTTAGAAACCTTTATCTGCAATTAATCCGGCATACCCGAG 20359
Qy 361 TCAATTTTGGCCCTTATTACCTTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCATCCA 420
Db 20360 TCAATTTTGGCCCTTATTACCTTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCATCCA 20419
Qy 421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 480
Db 20420 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 20479
Qy 481 TATTTGCATGAACCCGAAAAA 501
Db 20480 TATTTGCATGAACCCGAAAAA 20500

RESULT 3
US-09-864-761-12585
; Sequence 12585, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12585
; LENGTH: 574

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013597.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63
US-09-864-761-12585

Query Match          4.2%; Score 21; DB 9; Length 574;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 323 TTAGAACTTTATCTGCATTA 343
Db 505 TTAGAACTTTATCTGCATTA 525

RESULT 4
US-10-312-841-1/c
; Sequence 1, Application US/10312841
; Publication No. US20030185277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match          4.2%; Score 21; DB 16; Length 3673778;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 148 AAAACAATAAATAATTAAA 168
Db 1184139 AAAACAATAAATAATTAAA 1184119

RESULT 5
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 276564
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-276564

Query Match          4.0%; Score 20; DB 17; Length 516;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAAATAATAAT 164
Db 142 GATAAAACAATAAATAATAAT 123

RESULT 6
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 276564
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-276564

Query Match          4.0%; Score 20; DB 17; Length 516;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAAATAATAAT 164
Db 142 GATAAAACAATAAATAATAAT 123

RESULT 7
US-10-425-115-75464
; Sequence 75464, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013597.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63
US-09-864-761-12585

Query Match          4.2%; Score 21; DB 9; Length 574;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 323 TTAGAACTTTATCTGCATTA 343
Db 505 TTAGAACTTTATCTGCATTA 525

RESULT 4
US-10-312-841-1/c
; Sequence 1, Application US/10312841
; Publication No. US20030185277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match          4.2%; Score 21; DB 16; Length 3673778;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 148 AAAACAATAAATAATTAAA 168
Db 1184139 AAAACAATAAATAATTAAA 1184119

RESULT 5
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
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; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425.115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 75464
; LENGTH: 245
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_168954C.1
US-10-425-115-75464

Query Match 3.8%; Score 19; DB 20; Length 245;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150 AACAAATAATATAATTAAA 168
|||
Db 186 AACAAATAATATAATTAAA 204

RESULT 8
US-10-424-599-82869/c
; Sequence 82869, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424.599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 82869
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_45849C.1
US-10-424-599-82869

Query Match 3.8%; Score 19; DB 18; Length 265;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 296 TTATAAATCAGATCAGAT 314
|||
Db 104 TTATAATCAGATCAGAT 86

RESULT 9
US-10-029-386-12231/c
; Sequence 12231, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029.386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12231
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

; OTHER INFORMATION: MAP TO AC009567.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.71
; OTHER INFORMATION: EST HUMAN HIT: BG259903.1, EVALUATE 3.00e-34
; OTHER INFORMATION: NT HIT: AF288742.1, EVALUATE 3.00e-30
; OTHER INFORMATION: SWISSPROT HIT: P03203, EVALUATE 8.20e+00
US-10-029-386-12231

Query Match 3.8%; Score 19; DB 16; Length 520;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 285 TTTACTCTGATTTTATAAAT 303
|||
Db 342 TTTACTCTGATTTTATAAAT 324

RESULT 10
US-10-027-632-202632
; Sequence 202632, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202632
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202632

Query Match 3.8%; Score 19; DB 13; Length 585;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAATTGTCAA 204
|||
Db 476 TTTTGAGAAAATTGTCAA 494

RESULT 11
US-10-027-632-202632
; Sequence 202632, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202632
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202632

Query Match 3.8%; Score 19; DB 17; Length 585;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAATTGTCAA 204
Db 476 TTTTGAGAAAATTGTCAA 494

RESULT 12
US-10-767-701-26479/c
; Sequence 26479, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53353)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 26479
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30975053
US-10-767-701-26479

Query Match 3.8%; Score 19; DB 19; Length 599;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 27 GCAGCAACATACACAATTG 45
Db 390 GCAGCAACATACACAATTG 372

RESULT 13
US-10-425-114-8709
; Sequence 8709, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 8709
; LENGTH: 1009
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700789356_FLI
US-10-425-114-8709

Query Match 3.8%; Score 19; DB 18; Length 1009;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 180 CCAAAATTTTGAGAAAATT 198
Db 972 CCAAAATTTTGAGAAAATT 990

RESULT 14
US-10-027-632-202631
; Sequence 202631, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202631
; LENGTH: 1145
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202631

Query Match 3.8%; Score 19; DB 13; Length 1145;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAATTGTCAA 204
Db 1036 TTTTGAGAAAATTGTCAA 1054

RESULT 15
US-10-027-632-202631
; Sequence 202631, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202631
; LENGTH: 1145
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202631
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Query Match      3.8%; Score 19; DB 17; Length 1145;
Best Local Similarity 100.0%; Pred.No. 72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      186 TTTTGAGAAATTGTCAAA 204
        |||||
Db      1036 TTTTGAGAAATTGTCAAA 1054
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Search completed: September 27, 2005, 07:49:23
Job time : 779.646 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.98 Seconds
(without alignments)
7129.691 Million cell updates/sec

Title: US-09-464-767A-3_COPY_20000_20500

Perfect score: 501

Sequence: 1 acacacaggaaacagactcaaa.....atttgatgaacccgaaaaa 501

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/6C COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfileseq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110.2	22.0	2040	4	US-09-717-364A-18
2	110.2	22.0	26270	4	US-09-717-364A-1
3	75	15.0	34446	3	US-09-103-330-35
4	72.4	14.5	32166	4	US-09-562-930-11
5	72.4	14.5	32798	4	US-09-604-694B-1
6	72.4	14.5	34303	2	US-08-735-609-4
7	72.4	14.5	34303	2	US-08-735-609-4
8	72.4	14.5	34303	3	US-09-315-372-4
9	72.4	14.5	34303	3	US-09-244-752-4
10	72.4	14.5	34303	3	US-09-245-497-4
11	72.4	14.5	34303	3	US-09-562-919-4
12	72.4	14.5	34382	2	US-08-374-483-6
13	72.4	14.5	35408	3	US-08-973-334-3
14	72.4	14.5	35408	3	US-09-563-869A-3
15	72.4	14.5	35408	3	US-08-549-489-3
16	72.4	14.5	35871	4	US-09-956-335-2
17	72.4	14.5	35935	2	US-08-735-609-1
18	72.4	14.5	35935	2	US-08-735-609-1
19	72.4	14.5	35935	3	US-08-379-452-43
20	72.4	14.5	35935	3	US-09-315-372-1
21	72.4	14.5	35935	3	US-09-244-752-1
22	72.4	14.5	35935	3	US-09-245-497-1
23	72.4	14.5	35935	3	US-09-409-670-43
24	72.4	14.5	35935	3	US-09-562-919-1
25	72.4	14.5	35978	4	US-09-956-335-1
26	72.4	14.5	36620	4	US-09-952-060-30
27	72.4	14.5	37474	4	US-09-952-060-25

28	72.4	14.5	38519	4	US-09-952-060-28	Sequence 28, Appli
29	72	14.4	34185	3	US-09-545-481-3	Sequence 3, Appli
30	70	14.0	34794	4	US-09-713-678-39	Sequence 39, Appli
31	66.6	13.3	19056	3	US-09-272-032-8	Sequence 8, Appli
32	66.6	13.3	19056	4	US-09-443-218-8	Sequence 8, Appli
33	59.2	11.8	35524	3	US-08-923-137-1	Sequence 1, Appli
34	55	11.0	43804	3	US-09-171-461-1	Sequence 1, Appli
35	55	11.0	43804	4	US-09-970-711-1	Sequence 1, Appli
36	50	10.0	23381	4	US-09-949-016-13962	Sequence 13962, A
37	47.2	9.4	8048	4	US-09-976-594-553	Sequence 553, App
38	47.2	9.4	8050	4	US-09-566-921-44	Sequence 44, Appli
39	46.6	9.3	2397	4	US-09-710-279-4427	Sequence 4427, Ap
40	46.6	9.3	3196	4	US-09-710-279-3454	Sequence 3454, Ap
41	46	9.2	1241	1	US-07-593-657-6	Sequence 6, Appli
42	46	9.2	1241	3	US-08-942-012B-3	Sequence 3, Appli
43	45	9.0	603	4	US-09-248-766A-5211	Sequence 5211, Ap
44	45	9.0	36519	3	US-08-923-137-2	Sequence 2, Appli
45	44.6	8.9	446	3	US-09-097-541-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-717-364A-18
; Sequence 18, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Muallem, Margalit
; APPLICANT: Koren, Ziv Reu
; APPLICANT: Kriespel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezalel
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THEREOF
; FILE OF INVENTION: VARIOUS USES THEREOF
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 18
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
US-09-717-364A-18

Query Match	22.0%	Score 110.2;	DB 4;	Length 2040;
Best Local Similarity	53.0%	Pred. No. 1.3e-17;		
Matches 260;	Conservative 0;	Mismatches 228;	Indels 3;	Gaps 1;
QY	1	ACACACAGAACAGACTCAATTAATCGGACGCAACATACACAAATTCGCAACCAACGACCAACAA 60		
Db	1045	ACATATGAGAAATAACAATCAATCCAAATCTTCACACAAACATTAAGTTTGAATGATGTT 1104		
QY	61	ATAGACTATATCATAGATACAGTGTATTATTTTGGTATTTTACGTGGCAGACAGCAATG 120		
Db	1105	GAAGATTATATGTTGATACAAATTTTTTACTTGATATGACTTGGCAGACTGCAATG 1164		
QY	121	GATATTTGGAAATCAACATTTAGATGATATAAAACAAATATAATATAAGAGAAATTAAC 180		
Db	1165	CGTGTGCGCAACAAATATCAATGAGAAGATTTAGCTAGTATCAAGAGATTTTTTAAC 1224		
QY	181	CAAAATTTTGAGAAA---ATTGTCAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTA 237		

Db 1225 AAAAAAGGCAAAATTTGTTGTCGTGATTCAGATAGCATGGCTGATATGCTAGCA 1284
QY 238 AAGTCTATTATTTCCCTGAACATGCTCGAGCTTTTGTCTTAATTTACCTGATTTT 297
Db 1285 GATTGANAACAGATGCGGAGTCTTGTCTTCAGATTTTATGGGATGCTTTACCAATTTT 1344
QY 298 ATAAATCAGAGTCAGATATCAAAATTTTAGAAAATTTTATCTGCAATTAATCCGGCATACCG 357
Db 1345 ATGTCACAGACTCAATTAATGAATACTTTAGAACATTTTATTATTACCGAGAAGTAATATAGTG 1404
QY 358 CAGTCAATTTGCCCTTATTTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAT 417
Db 1405 AGCTGTATGTTTCAACAGTAGTAAAGATTTTGTACCAATTAGATTTTAAAGAATCTCCA 1464
QY 418 CCAATCTCTGGAGTCATGTAATGTTTACTAAATCTTGTCTTCAATTTCTAGTAAACCAAGGC 477
Db 1465 CCACAAATTTGGCCACATGTTTACTGCTTGAGACTGTCTTATTTTCTACAAATCATGGA 1524
QY 478 AATTATTTGCA 488
Db 1525 GATTATCAACA 1535

RESULT 2
US-09-717-364A-1
; Sequence 1, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Mukalem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krispel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezael
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 1998-05-20
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 26270
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25290)..(25290)
; OTHER INFORMATION: N-Unknown
US-09-717-364A-1

Query Match 22.0%; Score 110.2; DB 4; Length 26270;
Best Local Similarity 53.0%; Pred. No. 2.4e-17;
Matches 260; Conservative 0; Mismatches 228; Indels 3; Gaps 1;

QY 1 ACACACAGGACAGACTCAATATCCGACCAACATACACAAATGGCAACCGAAGCAAA 60
Db 19228 ACATATGAGAATAACCAATCAATATCCAAATCTTCACACACATTAGATTTGAATGATGGT 19287
QY 61 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGCAGCAATG 120
Db 19288 GAAGATTATATGTTGATACAAATTTTATATCTTGNATGACTTGGCAGACTGCATG 19347
QY 121 GATATTTGGAATCAACATTTAGATGATTAACAAATTAATATAATTAAGAGGAATTAAC 180

Db 19348 GGTGTGTGGCAAAAAATATCAATGAGAAGAAATTTAGCTAGTATGAAAAGATTTTAACT 19407
QY 181 CAAAAATTTTGAGAAA--ATTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAAATTTTA 237
Db 19408 AAAAAAGGACCAAAATTTGTTGTCGTGATTCAGATAGCATGGCTGATATGCTAGCA 19467
QY 238 AAGTCTATTATTTCCCTGAACTCAATGTCGAGCTTTTGTCTTAAATTTACCTGATTTT 297
Db 19468 GATTGGATAACAGATGCGGAGTCTTGTCTTCAGATTTTATAGGATGCTTTTACCAGATTTT 19527
QY 298 ATAAATCAGAGTCAGATATCAAAATTTTAGAAAATTTTATCTGCAATTAATCCGGCATACCG 357
Db 19528 ATGTCACAGACTCAATTAATGAATACTTTAGAACATTTTATTATTAGCGGAGAAGTAATATAGTG 19587
QY 358 CAGTCAATTTGCCCTTATTTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAT 417
Db 19588 AGCTGTATGTTTCAACAGTAGTAAAGATTTTGTACCAATTAGATTTTAAAGATCTCCA 19647
QY 418 CCAATCTCTGGAGTCATGTAATGTTTACTAAATCTTGTCTTCAATTTCTAGTAAACCAAGGC 477
Db 19648 CCACAAATTTGGCCACATGTTTACTGCTTGAGACTGTCTTATTTTCTACAAATCATGGA 19707
QY 478 AATTATTTGCA 488
Db 19708 GATTATCAACA 19718

RESULT 3
US-09-103-330-35
; Sequence 35, Application US/09103330A
; Patent No. 6319716
; GENERAL INFORMATION:
; APPLICANT: TIKOO, SURESH K.
; APPLICANT: BABIUK, LORNE A.
; APPLICANT: REDDY, POLICE S.
; TITLE OF INVENTION: ISOLATION OF MUTANTS IN THE E3 REGION OF THE
; FILE REFERENCE: 293102002121
; CURRENT APPLICATION NUMBER: US/09/103,330A
; CURRENT FILING DATE: 1998-06-23
; EARLIER FILING DATE: 1997-06-23
; EARLIER FILING DATE: 1997-06-23
; EARLIER FILING DATE: 1993-12-09
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 34446
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 3
US-09-103-330-35

Query Match 15.0%; Score 75; DB 3; Length 34446;
Best Local Similarity 49.9%; Pred. No. 1.1e-08;
Matches 189; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

QY 51 CGAAGACAAAATAGACTATATCATAGATACAGTGTATTTTATTTTGGTATTTACGCGGCA 110
Db 23916 CGAGAACCCGACAGACTACATCAGACACAGCTCTTCTCTTCTGTTGTTTACTTGGCA 23975
QY 111 GACAGCAATGGATATTTTGGAAATCAACATTAGATGATAAAACAATAAATATATAAAGA 170
Db 23976 GACTGCATGGCAATTTTGGCAGCAGTGCCTCGAGACTGAGAACGTAAGAAACTTGA 24035
QY 171 GGAATTAACCAAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGA 230
Db 24036 GCTCTTTGCAAAAAGCAAGAGGGCTCTCTGGACGGCTTCGACGAGCTCACCATAGCTCA 24095
QY 231 AATTTTAAAGTCTATTATTTTCCCTGAACTCATGCTCGAGCTTTTGTCTTAATTTACC 290
Db 24096 AGACCTAGCTGACATAGTGTTCCTCCCAAAATTTCTTGACACCTTGCAAGCGGCTGCC 24155
QY 291 TGATTTTAAATCAGAGTCAGATATCAAAATTTTAGAAAATTTTATCTGCAATTAATCCGG 350

Db 24156 AGACCTTACATCCAGAGTCTCTTCACAACTTTCGCTCTTCATTTTGAAGCGTCGGG 24215
QY 351 CATACCGCAGTCAATTTGGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCTCTAGA 410
Db 24216 CATTCACCGCCATGCAATGCACTGCCACGACTTCATCCCTCATCAGCTACCGGA 24275
QY 411 AGTCATCAATCTCTGG 429
Db 24276 GTGCCCTCCAACCTTCTGG 24294

RESULT 4
US-09-562-930-11
; Sequence 11, Application US/09562930
; Patent No. 6835812
; GENERAL INFORMATION:
; APPLICANT: Genotherapeutics Inc.
; APPLICANT: Steiner, Mitchell
; APPLICANT: Wang, Chiang
; APPLICANT: Rinaldy, Augustinus
; APPLICANT: Menon, Rema
; TITLE OF INVENTION: Isolated nucleic acids of the p-hyde family, p-hyde proteins, and
; TITLE OF INVENTION: of inducing susceptibility to induction of cell death in cancer
; FILE REFERENCE: P-2762-US2
; CURRENT APPLICATION NUMBER: US/09/562,930
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 09/302,457
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: US 09/499,817
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; TYPE: DNA
; ORGANISM: Rat
; US-09-562-930-11

Query Match 14.5%; Score 72.4; DB 4; Length 32166;
Best Local Similarity 48.5%; Pred. No. 4.6e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
Db 21969 GACTAGTCGGCGACTGCTTACTTATTTCTATGCTACACCTGCGCAGCGCCATGGGC 22028
QY 124 ATTTGGAATCAACATTAGATGATAAACAATATAATTAATTAAGAGGAAATTAACCAA 183
Db 22029 GTTTGGCAGAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 22088
QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 22089 AACTTGAAGACCTATGGAGCGCTTCAACGAGCGCTCGTGCGCCGCGCACCTGGCGGAC 22148
QY 244 ATATTTTCCCTGAATCATAGTCGAGCTTTTGTCTTAATTTACCTGATTTTATAAAT 303
Db 22149 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 22208
QY 304 CAGAGTCAGATCAATTTTAGAACTTTATCTGCAATTAATTCGGGCATACCGCAGTCA 363
Db 22209 CAAAGCATGTTGCAGAACTTTAGGAACTTTATCTAGAGCGCTCAGGAATCTTGCCCGCC 22268
QY 364 ATTTGCCCTCTATTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCAATCAATA 423
Db 22269 ACCTGCTGCGACTTCTAGCGACTTTGTCGCCATTAAGTACCGGGAATGCCCTCGCGC 22328
QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCA 473
Db 22329 CTTTGGGGCACTGCTACCTTCTGCGAGCTAGCCAACTACCTTGGCTTACCA 22378

RESULT 5

US-09-604-694B-1
; Sequence 1, Application US/09604694B
; Patent No. 6579522
; GENERAL INFORMATION:
; APPLICANT: BROUGH, DOUGLAS E
; APPLICANT: KING, C R
; APPLICANT: KOVESDI, INRE
; APPLICANT: SCHABIE, JASPER J
; TITLE OF INVENTION: REPLICATION DEFICIENT ADENOVIRAL TNF VECTOR
; FILE REFERENCE: 202028
; CURRENT APPLICATION NUMBER: US/09/604,694B
; CURRENT FILING DATE: 2003-01-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 32798
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; US-09-604-694B-1

Query Match 14.5%; Score 72.4; DB 4; Length 32798;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
Db 24306 GACTACGTCCGCGACTGGGTTTACTTTATTTCTATGCTACACCTGGCAGACGCGCATGGC 24365
QY 124 ATTTGGAATCAACATTAGATGATAAACAATATAATTAATTAAGAGGAAATTAACCAA 183
Db 24366 GTTTGGCAGAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 24425
QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 24426 AACTTGAAGACCTATGGAGCGCTTCAACGAGCGCTCGTGCGCCGCGCACCTGGCGGAC 24485
QY 244 ATATTTTCCCTGAATCATAGTCGAGCTTTTGTCTTAATTTACCTGATTTTATAAAT 303
Db 24486 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 24545
QY 304 CAGAGTCAGATCAATTTTAGAACTTTATCTGCAATTAATTCGGGCATACCGCAGTCA 363
Db 24546 CAAAGCATGTTGCAGAACTTTTAGGAACTTTATCTAGAGCGCTCAGGAATCTTGCCCGCC 24605
QY 364 ATTTGCCCTCTATTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCAATCAATA 423
Db 24606 ACCTGCTGCGACTTCTTAGCGACTTTGTCGCCATTAAGTACCGGGAATGCCCTCGCGC 24665
QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCA 473
Db 24666 CTTTGGGGCACTGCTACCTTCTGCGAGCTAGCCAACTACCTTGGCTTACCA 24715

RESULT 6
US-08-735-609-4
; Sequence 4, Application US/08735609
; Patent No. 5955360
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESS: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America

[illegible]

QY 364 ATTTGGCCCTTATCTTACCTTCAGATCAATATCCCTTTAACTTTCTAGAGAGTCAATCAATA 423
Db 27101 ACCTGTGTGCACTTCTAGGACTTTGTGCCATTAAGTACCGGAATGCCCTCGCGG 27160

QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGTCTTCAATTTCTAGTAACCA 473
Db 27161 CTTTGGGCCACTGCTACCTTCTGCAGTAGCCAACTACCTTGCCTACCA 27210

RESULT 10
US-09-245-497-4
; Sequence 4, Application US/09245497
; Patent No. 6083750
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/245,497
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/735,609
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34303 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-245-497-4

Query Match 14.5%; Score 72.4; DB 3; Length 34303;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACGCAATGGAT 123
Db 26801 GACTAGCTCGGAGTCTCGCTTTACTTTCTATGCTACACCTGGCAGAGCGGCATGGC 26860

QY 124 ATTTGGAATCAACATTTAGATGATAAACAATAATAATTAAGAGGAATTAACCAA 183
Db 26861 GTTTGGCAGAGTCTTTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 26920

QY 184 AATTTGAGAAATTTGCTGAAGCTGAATCAGTGTGATGAATTTCTGAAATTTTAAAGTCT 243
Db 26921 AACTTGAAGGACCTATGGACGGCCTTCAAGAGCGCTCCGTGGCGCGCACCTTGGCGGAC 26980

QY 244 ATTTATTTTCCCTGAATCATGCTGGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
Db 26981 ATCAATTTTCCCGAAGCGCTCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 27040

QY 304 CAGAGTCAGATATCAAAATTTTGAACACTTTATCTGCAATTAATCCGGCATACCGGAGTCA 363
Db 27041 CAAAGCATGTTGCAGAACTTTAGGAACCTTTATCTCTAGAGCGCTCAGGAATCTTTGCCCGCC 27100

QY 364 ATTTGGCCCTTATCTTACCTTCAGATCAATATCCCTTTAACTTTCTAGAGAGTCAATCAATA 423
Db 27101 ACCTGTGTGCACTTCTAGGACTTTGTGCCATTAAGTACCGGAATGCCCTCGCGG 27160

QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGTCTTCAATTTCTAGTAACCA 473
Db 27161 CTTTGGGCCACTGCTACCTTCTGCAGTAGCCAACTACCTTGCCTACCA 27210

RESULT 11
US-09-562-919-4
; Sequence 4, Application US/09562919
; Patent No. 6451596
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/562,919
; FILING DATE: 02-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/735,609
; FILING DATE: 23-Oct-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34303 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-562-919-4

Query Match 14.5%; Score 72.4; DB 3; Length 34303;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACGCAATGGAT 123
Db 26801 GACTAGCTCGGAGTCTCGCTTTACTTTCTATGCTACACCTGGCAGAGCGGCATGGC 26860

QY 124 ATTTGGAATCAAAACATTAGATGATAAAACAATAAATAATTAAGAGGAATTAACCAAA 183
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Db 26861 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAAGCAA 26920
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QY 184 AATTTTGAGAAATTTGCAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
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Db 26921 AACTTGAAGGACCTATGGACGGCTTCAAGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 26980
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QY 244 ATTAATTTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
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QY 304 CAGAGTCAGATATCAAAATTTTGAAGACTTTATCTGCAATTAATTCGGGCATACCGAGTCA 363
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Db 27041 CAAAGCATGTTGCAGAACTTTAGGAACCTTTATCTAGAGCGCTCAGGAATCTTGGCCGCG 27100
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QY 364 ATTTGGCCCTATTACCTTCAGATCAATTCCTTTAACTTTCTAGAGAGTCAATCAATA 423
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Db 27101 ACCTGCTGTGCACTTCTAGAGACTTTGTGCCAATTAAGTACCGCAATGCCCTCGCGG 27160
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QY 424 CTCTGAGTCATGTAATGTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
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Db 27161 CTTTGGGCCACTGCTACCTTCTGAGCTAGCACTACCTTGCCTACCA 27210
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RESULT 12

US-08-374-483-6
; Sequence 6, Application US/08374483
; Patent No. 5880102
; GENERAL INFORMATION:
; APPLICANT: GEORGE, SAMUEL E.
; APPLICANT: BLAZING, MICHAEL A.
; TITLE OF INVENTION: ADENOVIRAL VECTOR SYSTEM
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,483
; FILING DATE: 17-JAN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-83
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; TOXEX: 200797 NIXN UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34382 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-374-483-6

Query Match 14.5%; Score 72.4; DB 2; Length 34382;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
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Db 26223 GACTAGCTCCGCGACTGCGTTTTACTTTATTTCTATGCTACACCTGGCAGACGGCCATGGGC 26282
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QY 124 ATTTGGAATCAAAACATTAGATGATAAAACAATAAATAATTAAGAGGAATTAACCAAA 183
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Db 26283 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 26342
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QY 184 AATTTTGAGAAATTTGTCAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
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Db 26343 AACTTGAAGGACCTATGGACGGCTTCAAGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 26402
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QY 244 ATTAATTTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
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Db 26403 ATCAATTTTCCCGAAGCGCTGCTTAAACCTGCAACAGGGCTGCAGACTTCACCACT 26462
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QY 304 CAGAGTCAGATATCAAAATTTTGAAGACTTTATCTGCAATTAATTCGGGCATACCGAGTCA 363
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Db 26463 CAAAGCATGTTGCAGAACTTTAGGAACCTTTATCTAGAGCGCTCAGGAATCTTGGCCGCG 26522
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QY 364 ATTTGGCCCTATTACCTTCAGATCAATTCCTTTAACTTTCTAGAGAGTCAATCAATA 423
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Db 26523 ACCTGCTGTGCACTTCTAGAGACTTTGTGCCAATTAAGTACCGCAATGCCCTCGCGG 26582
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QY 424 CTCTGAGTCATGTAATGTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
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Db 26583 CTTTGGGCCACTGCTACCTTCTGAGCTAGCACTACCTTGCCTACCA 26632
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RESULT 13

US-08-973-334-3
; Sequence 3, Application US/08973334
; Patent No. 6261551
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Fisher, Krishna J.
; APPLICANT: Gao, Guang-Ping
; TITLE OF INVENTION: Recombinant Adenovirus and Adeno-
; TITLE OF INVENTION: Associated Virus, Cell Lines, and
; TITLE OF INVENTION: Methods of Production and Use
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Box 457, 321 No. 6261551ristown Road
; CITY: Spring House
; STATE: PA
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release 1.0 Version 1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/973,334
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/462,014
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/549,489
; FILING DATE: 27-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNPVN012CIPUSA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35408 base pairs


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; APPLICATION NUMBER: US/08/549,489
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/462,014
; FILING DATE: 08-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNPVN013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35408 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: other nucleic acid
; US-08-549-489-3

Query Match      14.5%; Score 72.4; DB 3; Length 35408;
Best Local Similarity 48.5%; Pred.No. 4.8e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY      64  GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
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Db      26628  GACTACGTCCGGAGCTGCGTTTACTTATTTCTATGCTACACCTGGCAGACGGCCATGGGC 26687
QY      124  ATTGGAATCAACATAGATGATGATAAACAATAATATATTAATTAAGAGGAATTAACCAA 183
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Db      26688  GTTTGCAGCAGTGTCTGGAGGAGTGCAACTCAGGAGCTGCAGAAACTGCTAAAGCAA 26747
QY      184  AATTTTGAGAAATTTCTCAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
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Db      26748  AACTTGAAGACCTATGGAGCGCTTCAAGAGCGCTCCGTGGCCCGCACCTGGCGGAC 26807
QY      244  ATTATTTTCCCTGAATCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      26808  ATCATTTTCCCGAAGCGCTTAAACCCCTGCAACAGGGTCTGCCAGACTTCACAGT 26867
QY      304  CAGAGTCAGATATCAAAATTTAGAAACTTTATCTGCAATTAATCCGGCATACCGCAGTCA 363
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      26868  CAAAGCATGTTGCAGAACTTTAGGAACCTTTATCCTAGAGCGCTCAGGAATCTTGCCCGCC 26927
QY      364  ATTTGCCCTTATTAATTTTACATCTAATTCCTTTAACTTCTTAGAAGTCAATCCAATA 423
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      26928  ACCTGTGTGCACTTCTAGCGACTTTGTGCCCAATTAAGTACCGCGAATGCCCTCCGCCG 26987
QY      424  CTCTGGAGTCATGTAATGTTTACTAAATCTTGCTTTCATTTCTAGTAAACCA 473
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      26988  CTTTGGGGCACTGTCTACCTTCTGCAGTAGCCAACTACCTTGCCCTACCA 27037
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 499.821 Seconds
(without alignments)
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Scoring table: IDENTITY_NUC
Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications_NA.*
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 - 2: /cgn2_6/ptodata/2/pubpna/PT_NEW_PUB.seq.*
 - 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
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 - 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
 - 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
 - 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
 - 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
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 - 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
 - 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
 - 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
 - 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
 - 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
 - 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
 - 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
 - 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	501	100.0	29544	9	US-09-464-767-1
2	501	100.0	32745	9	US-09-464-767-3
3	84	16.8	34125	9	US-09-782-378A-25
C 4	77.6	15.5	30365	17	US-10-384-136-4
C 5	77.6	15.5	31672	17	US-10-384-136-3
C 6	77.6	15.5	34616	17	US-10-384-136-2
7	77.6	15.5	35937	9	US-09-782-378A-3

8	77.6	15.5	35937	21	US-10-794-514A-731	Sequence 731, Appl
9	75	15.0	34446	9	US-09-871-212-1	Sequence 1, Appl
10	74.4	14.9	35759	19	US-10-645-883A-9	Sequence 9, Appl
11	74.4	14.9	37090	20	US-10-492-178-4	Sequence 4, Appl
12	72.4	14.5	31183	18	US-10-431-598-19	Sequence 19, Appl
13	72.4	14.5	31183	20	US-10-825-282-4	Sequence 4, Appl
14	72.4	14.5	31880	17	US-10-427-717-507	Sequence 507, Appl
15	72.4	14.5	31976	20	US-10-766-307A-1	Sequence 1, Appl
16	72.4	14.5	31976	20	US-10-766-307A-2	Sequence 2, Appl
17	72.4	14.5	32409	24	US-11-104-126-2	Sequence 2, Appl
18	72.4	14.5	32480	9	US-09-847-101B-23	Sequence 23, Appl
19	72.4	14.5	32480	10	US-09-482-682-27	Sequence 27, Appl
20	72.4	14.5	32681	24	US-11-104-126-1	Sequence 1, Appl
21	72.4	14.5	32798	16	US-10-424-638-1	Sequence 1, Appl
22	72.4	14.5	32802	20	US-10-766-307A-3	Sequence 3, Appl
23	72.4	14.5	33622	17	US-10-403-337-44	Sequence 44, Appl
24	72.4	14.5	33622	17	US-10-351-890-44	Sequence 44, Appl
25	72.4	14.5	33855	17	US-10-383-846-5	Sequence 5, Appl
26	72.4	14.5	34226	20	US-10-622-088-84	Sequence 84, Appl
27	72.4	14.5	34226	20	US-10-622-088-85	Sequence 85, Appl
28	72.4	14.5	34427	10	US-09-111-911-5	Sequence 15, Appl
29	72.4	14.5	34541	21	US-10-859-739-15	Sequence 15, Appl
30	72.4	14.5	34555	15	US-10-117-982-479	Sequence 479, Appl
31	72.4	14.5	34555	17	US-10-313-986-479	Sequence 479, Appl
32	72.4	14.5	34555	20	US-10-775-972-479	Sequence 479, Appl
33	72.4	14.5	34555	22	US-10-922-124-479	Sequence 1, Appl
34	72.4	14.5	34573	17	US-10-383-846-1	Sequence 87, Appl
35	72.4	14.5	34864	20	US-10-622-088-87	Sequence 43, Appl
36	72.4	14.5	35211	17	US-10-403-337-43	Sequence 43, Appl
37	72.4	14.5	35211	17	US-10-351-890-43	Sequence 3, Appl
38	72.4	14.5	35408	14	US-10-155-649-3	Sequence 1, Appl
39	72.4	14.5	35712	21	US-10-860-630-1	Sequence 2, Appl
40	72.4	14.5	35871	9	US-09-956-335-2	Sequence 2, Appl
41	72.4	14.5	35909	21	US-10-860-630-2	Sequence 43, Appl
42	72.4	14.5	35935	9	US-09-725-720-43	Sequence 4, Appl
43	72.4	14.5	35935	9	US-09-782-378A-4	Sequence 5, Appl
44	72.4	14.5	35935	9	US-09-782-378A-5	Sequence 43, Appl
45	72.4	14.5	35935	10	US-09-739-007-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score 501;	DB 9;	Length 29544;
Best Local Similarity	100.0%	Pred. No. 6.8e-94;		
Matches 501;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ACACACAGGAACAGACTCAATAATCCGAGCAACATACACAATTCGCAACCGAAGACAAA	60	
Db	20001	ACACACAGGAACAGACTCAATAATCCGAGCAACATACACAATTCGCAACCGAAGACAAA	20060	
Qy	61	ATAGACTATATCATAGATACAGTGTATTTTGGTATTTTACGTGGCAGACGCAATG	120	

QY 450 TCTTGCTTCATTTCTAGTAAACA 473
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Db 24272 ACTTGCTACTACTAGCTTACCA 24295

RESULT 4

US-10-384-136-4/c
; Sequence 4, Application US/10384136
; Publication No. US20040028653A1
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Freeman, Mason Wright
; APPLICANT: Kovtun, Alexander
; APPLICANT: Murakawa, Masahiro
; APPLICANT: Park, Eun-Chung
; APPLICANT: Wang, Xinzhong
; TITLE OF INVENTION: Self-rearranging DNA vectors
; FILE REFERENCE: 00786/352004
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/US01/27682
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/231,053
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/246,904
; PRIOR FILING DATE: 2000-11-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 30365
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Adenovirus
US-10-384-136-4

Query Match 15.5%; Score 77.6; DB 17; Length 30365;
Best Local Similarity 48.8%; Pred. No. 9e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;
QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGAATGGAT 123
Db 6384 GACTAGCTCCGCGACTGCGCTTTACTTTTCTGTCTACACCTGGCAACCGCCATGGGC 6325
QY 124 ATTTGGAATCAACATATAGATGATAAACAATAATAATAATAAAGAGGAATTAACACCA 183
Db 6324 GTGTGGCAGCATGCTGGAGAGCGCAACCTTAAGGAGCTGCAGAGCTGCTTAAGCAA 6265
QY 184 AATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 6264 AACTTGAAGGACCTATGAGCGGCTTCAACGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 6205
QY 244 ATTATTTTCCCTGAACTCATGTGGAGCTTTTGTCTTAATTTACCTGATTTTATAAT 303
Db 6204 ATTATCTTCCCGAAGCGCTGTCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCA 6145
QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCATTAATAATCCGGCATACCGCAGTCA 363
Db 6144 CAAGCATGTTGCAAACTTTAGGAACCTTTATCTAGAGCGTTTCAAGGAATTCGCGCCG 6085
QY 364 ATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAATCAATA 423
Db 6084 ACTGCTGTGGCGTCTCTAGCAGCTTTGTGCGCCATTAAAGTACCGTGAATGTCCTCGCG 6025
QY 424 CTCTGAGTCATGTAATGTACTAAATCTTGCTTCAATTTCTAGTAAACCAAGGCAATTAAT 483
Db 6024 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGGCAACTACCTTGCCTTACCACATCCGACATC 5965
QY 484 TTGCATGA 491
Db 5964 ATGGAAGA 5957

RESULT 5

US-10-384-136-3/c
; Sequence 3, Application US/10384136
; Publication No. US20040028653A1
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Freeman, Mason Wright
; APPLICANT: Kovtun, Alexander
; APPLICANT: Murakawa, Masahiro
; APPLICANT: Park, Eun-Chung
; APPLICANT: Wang, Xinzhong
; TITLE OF INVENTION: Self-rearranging DNA vectors
; FILE REFERENCE: 00786/352004
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/US01/27682
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/231,053
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/246,904
; PRIOR FILING DATE: 2000-11-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 31672
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Adenovirus
US-10-384-136-3

Query Match 15.5%; Score 77.6; DB 17; Length 31672;
Best Local Similarity 48.8%; Pred. No. 9.1e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;
QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGAATGGAT 123
Db 7691 GACTAGCTCCGCGACTGCGCTTTACTTTTCTGTCTACACCTGGCAACCGCCATGGGC 7632
QY 124 ATTTGGAATCAACATATAGATGATAAACAATAATAATAATAAAGAGGAATTAACACCA 183
Db 7631 GTGTGGCAGCATGCTGGAGAGCGCAACCTTAAGGAGCTGCAGAGCTGCTTAAGCAA 7572
QY 184 AATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 7571 AACTTGAAGGACCTATGAGCGGCTTCAACGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 7512
QY 244 ATTATTTTCCCTGAACTCATGTGGAGCTTTTGTCTTAATTTACCTGATTTTATAAT 303
Db 7511 ATTATCTTCCCGAAGCGCTGTCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCA 7452
QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCATTAATAATCCGGCATACCGCAGTCA 363
Db 7451 CAAGCATGTTGCAAACTTTAGGAACCTTTATCTAGAGCGTTTCAAGGAATTCGCGCCG 7392
QY 364 ATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAATCAATA 423
Db 7391 ACCTGCTGTGGCGTCTCTAGCAGCTTTGTGCGCCATTAAAGTACCGTGAATGTCCTCGCG 7332
QY 424 CTCTGAGTCATGTAATGTACTAAATCTTGCTTCAATTTCTAGTAAACCAAGGCAATTAAT 483
Db 7331 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGGCAACTACCTTGCCTTACCACATCCGACATC 7272
QY 484 TTGCATGA 491
Db 7271 ATGGAAGA 7264

RESULT 6

US-10-384-136-2/c
; Sequence 2, Application US/10384136
; Publication No. US20040028653A1

Query Match 15.5%; Score 77.6; DB 21; Length 35937;
Best Local Similarity 48.8%; Pred. No. 9.6e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGATTTATTTTGGTATTTTACGTGGGAGAGCAAGCAATGGAT 123
DB 25347 GACTAGCTCGGAGCTGGTTTACTTTTCTGTGTACACCTGGCAACGGCCATGGGC 25406

QY 124 ATTTGGAATCAACATATAGATGATAAACAATAAATAATTAATAAGAGGAAATTAACACAA 183
DB 25407 GTGTGGCAGCAATGCGCTGGAGGAGCGCAACCTAAAGGAGCTGCAGAAAGCTGCTAAAGCAA 25466

QY 184 AATTTTGAGAAATTTGAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 25467 AACTTGAAGGACCATATGAGCGGCTTCAAGAGCGCTCGGTGGCCGCGCACCTGGCGGAC 25526

QY 244 ATTTATTTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTACCTGATTTTATAAAT 303
DB 25527 ATTATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCCACAGT 25586

QY 304 CAGAGTCAGATATCAAAATTTAGAAACTTTTATCTGCAITTAATTCGCGCATACCGCAGTCA 363
DB 25587 CAAAGCATGTGCAAAACTTTAGAACTTTATCTAGAGGTTTCAGGAATTCGCGCGCC 25646

QY 364 ATTTGCCCCCTATTACTTCAGATCTAAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
DB 25647 ACCTGCTGCGGCTTCTAGCGCACTTTGTGCCCATTAAGTACCGTGAATGCCCTCGCGCG 25706

QY 424 CTCTGGAGTCATGATGTTACTTAATCTGCTTCAATTTCTAGTAAACCAAGGCAATTAAT 483
DB 25707 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGCAACTACCTTGCCTTACCCTCCGACATC 25766

QY 484 TTGCGATGA 491
DB 25767 ATGGAAGA 25774

RESULT 9
US-09-871-212-1
; Sequence 1, Application US/09871212
; Patent No. US20020034519A1
; GENERAL INFORMATION:
; APPLICANT: Tikoo, Suresh
; APPLICANT: Babiuk, Lorne
; APPLICANT: Zhang, Linong
; APPLICANT: Wu, Qiaohua
; TITLE OF INVENTION: MODIFIED BOVINE ADENOVIRUS HAVING
; FILE REFERENCE: 293102003000
; CURRENT APPLICATION NUMBER: US/09/871,212
; CURRENT FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/208,678
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 34446
; TYPE: DNA
; ORGANISM: Bovine Adenovirus 3
US-09-871-212-1

Query Match 15.0%; Score 75; DB 9; Length 34446;
Best Local Similarity 49.9%; Pred. No. 3.3e-05;
Matches 189; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

QY 51 CGAAGACAAATAGACTATATCATAGATACAGTGATTTTATTTTGGTATTTTACGTGGCA 110
DB 23916 CGAAGACCGAGAGCTACATCAGACACAGCTTCTTCTCTCTGTTTATATCTGGCA 23975

QY 111 GACAGCAATGGATTTTGGAAATCAACATTAAGTATGAATAAACAATAAATAATTAAGA 170
DB 23976 GACTGCCATGGGCATTTGGCAGCGCTCGAGACTGAGAACGTTAAGAACTTGAANA 24035

QY 171 GGAATTAACCAAAATTTTGAGAAAATTTGAAAGCTGAATCAGTTGATGAAGTTTCTGA 230
DB 24036 GCTCTTGGCAAAAAGCAAGAGGGCTCTCTGGACGGGCTTTGACGAGCTCACCATAGCTCA 24095

QY 231 AATTTTAAAGTCTATTATTTCCTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTACC 290
DB 24096 AGACCTAGCTGACATAGTGTTCCTCCCAATTTCTTGACACCTTGCAAGCGGCTGCC 24155

QY 291 TGAATTTTAAATCAGAGTCAGATATCAAAATTTTAGAAAATTTATCTGCAATTAATTCGG 350
DB 24156 AGACCTTACATCCAGAGTCTCCTTCAACAATTTGCTCCTTCATTTTGAACGCTCGGG 24215

QY 351 CATACCGCAGTCAATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTCTAGA 410
DB 24216 CATTTACCGGCATGTGCAATGCACTGCCACCGACTTCATCCCTTACAGCTACCGGGA 24275

QY 411 AAGTCATCAATACTCTGG 429
DB 24276 GTGCCCTCAACTTTCTGG 24294

RESULT 10
US-10-645-883A-9
; Sequence 9, Application US/10645883A
; Publication No. US20040185555A1
; GENERAL INFORMATION:
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shiver, John W.
; APPLICANT: Bett, Andrew J.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Chaastain, Michael
; APPLICANT: Kaslow, David C.
; APPLICANT: Morsy, Manal
; TITLE OF INVENTION: ADENOVIRUS SEROTYPE 24 VECTORS, NUCLEIC
; FILE REFERENCE: 21366
; CURRENT APPLICATION NUMBER: US/10/645,883A
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/455,312
; PRIOR FILING DATE: 2003-03-17
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 35759
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Ad6 genome
; FEATURE:
; OTHER INFORMATION: n = a, t, c or g
US-10-645-883A-9

Query Match 14.9%; Score 74.4; DB 19; Length 35759;
Best Local Similarity 48.4%; Pred. No. 4.4e-05;
Matches 207; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGATTTATTTTGGTATTTTACGTGGGAGAGCAAGCAATGGAT 123
DB 25332 GACTAGCTCGGAGCTGGTTTACTTTTCTGTGTACACCTGGCAACGGCCATGGGC 25391

QY 124 ATTTGGAATCAACATTAAGATGATAAACAATAAATAATTAATAAGAGGAAATTAACACAA 183
DB 25392 GTGTGGCAGCAGTGTGCGAGGAGCGCAACCTGAAGAGCTGCAGAAAGCTGCTAAAGCAA 25451

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 25452 AACTTGAAGGACCTATGACGCGCTTCAACGAGCGCTCGGTGGCCGCGCACCTGGCGGAC 25511

QY 244 ATTTATTTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
DB 25512 ATTAATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCCAGACTTCCACAGT 25571


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; TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
; FILE REFERENCE: METHODS FOR MAKING AND USING THE SAME
; CURRENT APPLICATION NUMBER: US/10/825,282
; PRIOR FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: US/09/456,357
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 60/134,416
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 09/087,195
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 08/378,507
; PRIOR FILING DATE: 1995-01-26
; PRIOR APPLICATION NUMBER: 08/250,478
; PRIOR FILING DATE: 1994-05-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 31183
; TYPE: DNA
; ORGANISM: adenovirus
US-10-825-282-4

Query Match      14.5%; Score 72.4; DB 20; Length 31183;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGGAGAGCAATGGAT 123
DB 22426 GACTAGTCGGGACGCTGCTTATTTTCTATGCTACACCTGGGAGAGCGCATGGG 22485

QY 124 ATTTGGAATCAACATTAGATGATAAAACAATAAATATAATTAAGAGGAATTAACCAA 183
DB 22486 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAGCAA 22545

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAATTTCTGAAATTTTAAAGTCT 243
DB 22546 AACTTGAAGGACCTATGGAGCGCTTTCAAGAGCGCTCCGTGGCGCGCACCTGGCGGAC 22605

QY 244 ATTTATTTCCCTGAACTCATGCTGGAGCTTTTGTGTTCTAATTTTACCTGATTTTATAAAT 303
DB 22606 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACAGT 22665

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCAATTAATTCGGGCATACCGCAGTCA 363
DB 22666 CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTAGAGCGCTCAGGAATCTTGCCCGCC 22725

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
DB 22726 ACCTGCTGTGCACCTTCTAGCGACTTTGTGCCAATTAAGTACCGCGAATGCCCTCCGCG 22785

QY 424 CTCTGAGTCATGTAATGTTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
DB 22786 CTTTGGGGCCACTGCTACCTCTGCGAGCTAGCCAACTACCTTGCCCTACCA 22835

RESULT 14
US-10-427-717-507
; Sequence 507, Application US/10427717
; Publication No. US20040018204A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Java, No. US20040018204A1alie
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1
; FILE REFERENCE: 210121.465C11
; CURRENT APPLICATION NUMBER: US/10/427,717
; PRIOR FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 508
; SOFTWARE: PatSeq for Windows Version 3.0
; SEQ ID NO 507
; LENGTH: 31880
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-427-717-507

Query Match      14.5%; Score 72.4; DB 17; Length 31880;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGGAGAGCAATGGAT 123
DB 23881 GACTAGTCGGGACGCTGCTTATTTTCTATGCTACACCTGGGAGAGCGCATGGG 23940

QY 124 ATTTGGAATCAACATTAGATGATAAAACAATAAATATAATTAAGAGGAATTAACCAA 183
DB 23941 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAGCAA 24000

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAATTTCTGAAATTTTAAAGTCT 243
DB 24001 AACTTGAAGGACCTATGGAGCGCTTTCAAGAGCGCTCCGTGGCGCGCACCTGGCGGAC 24060

QY 244 ATTTATTTCCCTGAACTCATGCTGGAGCTTTTGTGTTCTAATTTTACCTGATTTTATAAAT 303
DB 24061 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACAGT 24120

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCAATTAATTCGGGCATACCGCAGTCA 363
DB 24121 CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTAGAGCGCTCAGGAATCTTGCCCGCC 24180

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
DB 24181 ACCTGCTGTGCACCTTCTAGCGACTTTGTGCCAATTAAGTACCGCGAATGCCCTCCGCG 24240

QY 424 CTCTGAGTCATGTAATGTTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
DB 24241 CTTTGGGGCCACTGCTACCTCTGCGAGCTAGCCAACTACCTTGCCCTACCA 24290

RESULT 15
US-10-766-307A-1
; Sequence 1, Application US/10766307A
; Publication No. US20040202663A1
; GENERAL INFORMATION:
; APPLICANT: Shanghai Sunway Biotech Co., Ltd.
; TITLE OF INVENTION: Treatment for Metastatic Cancer
; FILE REFERENCE: 121300.00003
; CURRENT APPLICATION NUMBER: US/10/766,307A
; CURRENT FILING DATE: 2004-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 31976
; TYPE: DNA
; ORGANISM: Adenovirus
US-10-766-307A-1

Query Match      14.5%; Score 72.4; DB 20; Length 31976;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGGAGAGCAATGGAT 123
DB 24474 GACTAGTCGGGACGCTGCTTATTTTCTATGCTACACCTGGGAGAGCGCATGGG 24533

QY 124 ATTTGGAATCAACATTAGATGATAAAACAATAAATATAATTAAGAGGAATTAACCAA 183
DB 24534 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAGCAA 24593

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAATTTCTGAAATTTTAAAGTCT 243
DB 24594 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCCGTGGCGCGCACCTGGCGGAC 24653

QY 244 ATTTATTTCCCTGAACTCATGCTGGAGCTTTTGTGTTCTAATTTTACCTGATTTTATAAAT 303
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Db 24654 ATCATTTTCCCGAACGCGCTGCTTAAACCCTGCAACAGGGTCTGCCAGACTTCACCAGT 24713
Qy 304 CAGAGTCAGATATCAAAATTTTAGAAACTTTTATCTGCATTAAATCCGGCATACCGCAGTCA 363
Db 24714 CAAAGCATGTTGCAGAACTTTAGGAACTTTATCCTAGAGCGCTCAGGAATCTTGCCCGCC 24773
Qy 364 ATTTGCCCGCTATTACCTTCAGATCTAAATTCCTTTAACTTTCCTAGAAAAGTCATCCAATA 423
Db 24774 ACCTGCTGTGCACCTTCCTAGCGACTTTGTGCCCATTAAGTACCGCGAATGCCCTCCGCCG 24833
Qy 424 CTCTGAGTCATGTAATGTTACTAAATCTTGCTTCATTTTCTAGTAAACCA 473
Db 24834 CTTTGGGGCCACTGTGCTACCTTCTGCAGCTAGCCAACTACCTTGCCTACCA 24883
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Search completed: September 26, 2005, 17:25:20
Job time : 502.821 secs

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4525 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-08-613-861-2

Query Match 42.0%; Score 420; DB 2; Length 4525;
Best Local Similarity 100.0%; Pred. No. 2.2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTGTGTCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
DB 2199 TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 2140

QY 642 CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 701
DB 2139 CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 2080

QY 702 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
DB 2079 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 2020

QY 762 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCGG 821
DB 2019 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCGG 1960

QY 822 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 1959 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 1900

QY 882 CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTTAATCGGTTATCCA 941
DB 1899 CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTTAATCGGTTATCCA 1840

QY 942 CAGAAATCAGGGGTAACCCAGGAAGACATGTGAGCAAAAGGCCAGCAAGGCCACGGA 1001
DB 1839 CAGAAATCAGGGGTAACCCAGGAAGACATGTGAGCAAAAGGCCAGCAAGGCCACGGA 1780

RESULT 4
US-08-675-566-22
Sequence 22, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506

REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 4965 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-22

Query Match 42.0%; Score 420; DB 3; Length 4965;
Best Local Similarity 100.0%; Pred. No. 2.1e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTGTGTCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
DB 2070 TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 2129

QY 642 CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 701
DB 2130 CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 2189

QY 702 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
DB 2190 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 2249

QY 762 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCGG 821
DB 2250 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCGG 2309

QY 822 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 2310 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 2369

QY 882 CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTTAATCGGTTATCCA 941
DB 2370 CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTTAATCGGTTATCCA 2429

QY 942 CAGAAATCAGGGGTAACCCAGGAAGACATGTGAGCAAAAGGCCAGCAAGGCCACGGA 1001
DB 2430 CAGAAATCAGGGGTAACCCAGGAAGACATGTGAGCAAAAGGCCAGCAAGGCCACGGA 2489

RESULT 5
US-08-675-566-19
Sequence 19, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.

NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 5109 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-19

Query Match 42.0%; Score 420; DB 3; Length 5109;
Best Local Similarity 100.0%; Pred. No. 2.1e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTGTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTTGGCGTAAATCATGGTCAATAGCTGTTTC 641
Db 2223 TTGTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTTGGCGTAAATCATGGTCAATAGCTGTTTC 2282
Qy 642 CTGTGTAATTTGTTATCCCGTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 701
Db 2283 CTGTGTAATTTGTTATCCCGTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 2342
Qy 702 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
Db 2343 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 2402
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 821
Db 2403 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 2462
Qy 822 GGAGAGCGGTTTCGCTAATTTGGCGCTTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 2463 GGAGAGCGGTTTCGCTAATTTGGCGCTTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 2522
Qy 882 CGGTCGTTCCGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 941
Db 2523 CGGTCGTTCCGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 2582
Qy 942 CAGAAATCAGGGGATAACCGCAGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 1001
Db 2583 CAGAAATCAGGGGATAACCGCAGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 2642

RESULT 6

US-08-675-566-18
; Sequence 18, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:

NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 6045 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-18

Query Match 42.0%; Score 420; DB 3; Length 6045;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTGTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTTGGCGTAAATCATGGTCAATAGCTGTTTC 641
Db 3160 TTGTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTTGGCGTAAATCATGGTCAATAGCTGTTTC 3219
Qy 642 CTGTGTAATTTGTTATCCCGTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 701
Db 3220 CTGTGTAATTTGTTATCCCGTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 3279
Qy 702 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
Db 3280 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 3339
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 821
Db 3340 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 3399
Qy 822 GGAGAGCGGTTTCGCTAATTTGGCGCTTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 3400 GGAGAGCGGTTTCGCTAATTTGGCGCTTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3459
Qy 882 CGGTCGTTCCGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 941
Db 3460 CGGTCGTTCCGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 3519
Qy 942 CAGAAATCAGGGGATAACCGCAGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 1001
Db 3520 CAGAAATCAGGGGATAACCGCAGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 3579

RESULT 7

US-08-675-566-5
; Sequence 5, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 6196 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-5

Query Match 42.0%; Score 420; DB 3; Length 6196;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 3325 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3384

Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACAACATACGAGCCGGAAGCATATAAGT 701
Db 3385 CTGTGTGAATTTGTTATCCGCTCAATTCACACAACATACGAGCCGGAAGCATATAAGT 3444

Qy 702 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTTGCCTCACTGC 761
Db 3445 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTTGCCTCACTGC 3504

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCATTAAATGAATCGCCAAACGCGCGG 821
Db 3505 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCATTAAATGAATCGCCAAACGCGCGG 3564

Qy 822 GGAGAGCGGTTTGGTATTTGGGGCTTTCCGCTTTCCTCGCTCACTGACTCGCTGCGCT 881
Db 3565 GGAGAGCGGTTTGGTATTTGGGGCTTTCCGCTTTCCTCGCTCACTGACTCGCTGCGCT 3624

Qy 882 CGGTCTGCTCGCTCGGCGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 941
Db 3625 CGGTCTGCTCGCTCGGCGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 3684

Qy 942 CAGAAATCAGGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 3685 CAGAAATCAGGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 3744

RESULT 8
US-08-675-566-14
Sequence 14, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675.566
FILING DATE: 03-JUL-1996

CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 6243 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-14

Query Match 42.0%; Score 420; DB 3; Length 6243;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 3372 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3431

Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACAACATACGAGCCGGAAGCATATAAGT 701
Db 3432 CTGTGTGAATTTGTTATCCGCTCAATTCACACAACATACGAGCCGGAAGCATATAAGT 3491

Qy 702 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTTGCCTCACTGC 761
Db 3492 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTTGCCTCACTGC 3551

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCATTAAATGAATCGCCAAACGCGCGG 821
Db 3552 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCATTAAATGAATCGCCAAACGCGCGG 3611

Qy 822 GGAGAGCGGTTTGGTATTTGGGGCTTTCCGCTTTCCTCGCTCACTGACTCGCTGCGCT 881
Db 3612 GGAGAGCGGTTTGGTATTTGGGGCTTTCCGCTTTCCTCGCTCACTGACTCGCTGCGCT 3671

Qy 882 CGGTCTGCTCGCTCGGCGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 941
Db 3672 CGGTCTGCTCGCTCGGCGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 3731

Qy 942 CAGAAATCAGGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 3732 CAGAAATCAGGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 3791

RESULT 9
US-08-675-566-17
Sequence 17, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675.566

; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-17

Query Match 42.0%; Score 420; DB 3; Length 6244;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 3418
Qy 642 CTGTGTCAAAATTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 701
Db CTGTGTCAAAATTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 3478
Qy 702 GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGCCTCACTGC 761
Db GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGCCTCACTGC 3538
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAACGCGGG 821
Db CCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAACGCGGG 3598
Qy 822 GGAGAGCGGTTTCGCTAATTTGGGCGCTTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db GGAGAGCGGTTTCGCTAATTTGGGCGCTTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3658
Qy 882 CCGTGTTCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db CCGTGTTCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 3718
Qy 942 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 3778

RESULT 10
US-08-675-566-16
; Sequence 16, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6447 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-16

Query Match 42.0%; Score 420; DB 3; Length 6447;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db TTTGTTCCCTTTAGTAGAGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 3621
Qy 642 CTGTGTCAAAATTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 701
Db CTGTGTCAAAATTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT 3681
Qy 702 GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGCCTCACTGC 761
Db GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGCCTCACTGC 3741
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAACGCGGG 821
Db CCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAACGCGGG 3801
Qy 822 GGAGAGCGGTTTCGCTAATTTGGGCGCTTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db GGAGAGCGGTTTCGCTAATTTGGGCGCTTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3861
Qy 882 CCGTGTTCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db CCGTGTTCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 3921
Qy 942 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 3981

RESULT 11
US-08-675-566-6
; Sequence 6, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6503 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-6

Query Match 42.0%; Score 420; DB 3; Length 6503;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 3631 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 3690
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 701
Db 3691 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 3750
Qy 702 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTACATTAATTCGCTTGGCTCACTGC 761
Db 3751 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTACATTAATTCGCTTGGCTCACTGC 3810
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGTGCATTAATGAATCGCCAAACGCGGG 821
Db 3811 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGTGCATTAATGAATCGCCAAACGCGGG 3870
Qy 822 GGAGAGCGGTTTCGCTATTGGGCGCTCTCCGCTTCTCGCTCAGTCACTCGCTGCGCT 881
Db 3871 GGAGAGCGGTTTCGCTATTGGGCGCTCTCCGCTTCTCGCTCAGTCACTCGCTGCGCT 3930
Qy 882 CCGTCTGCTCGGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 3931 CCGTCTGCTCGGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 3990
Qy 942 CAGAATCAGGGGATAACGCGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 3991 CAGAATCAGGGGATAACGCGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4050

RESULT 12
US-08-675-566-4
; Sequence 4, Application US/08/675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6578 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-4

Query Match 42.0%; Score 420; DB 3; Length 6578;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4517 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 4576
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 701
Db 4577 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 4636
Qy 702 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTACATTAATTCGCTTGGCTCACTGC 761
Db 4637 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTACATTAATTCGCTTGGCTCACTGC 4696
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGTGCATTAATGAATCGCCAAACGCGGG 821
Db 4697 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGTGCATTAATGAATCGCCAAACGCGGG 4756
Qy 822 GGAGAGCGGTTTCGCTATTGGGCGCTCTCCGCTTCTCGCTCAGTCACTCGCTGCGCT 881
Db 4757 GGAGAGCGGTTTCGCTATTGGGCGCTCTCCGCTTCTCGCTCAGTCACTCGCTGCGCT 4816
Qy 882 CCGTCTGCTCGGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 4817 CCGTCTGCTCGGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 4876
Qy 942 CAGAATCAGGGGATAACGCGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 4877 CAGAATCAGGGGATAACGCGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4936

RESULT 13
US-08-675-566-15
; Sequence 15, Application US/08/675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6612 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-675-566-15

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Query Match 42.0%; Score 420; DB 3; Length 6612;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTTGTTCCCTTTAGTAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
DB 3727 TTTGTTCCCTTTAGTAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3786

QY 642 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCGGGAAGCATAAAGT 701
DB 3787 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCGGGAAGCATAAAGT 3846

QY 702 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 761
DB 3847 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 3906

QY 762 CCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 821
DB 3907 CCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 3966

QY 822 GGAGAGCGGTTTGGCTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 3967 GGAGAGCGGTTTGGCTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 4026

QY 882 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
DB 4027 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 4086

QY 942 CAGAAATCAGGGGATAACGAGGAAGAACAATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 4087 CAGAAATCAGGGGATAACGAGGAAGAACAATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4146

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RESULT 14
US-08-675-566-2
; Sequence 2, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6958 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-675-566-2

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Query Match 42.0%; Score 420; DB 3; Length 6958;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTTGTTCCCTTTAGTAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
DB 4086 TTTGTTCCCTTTAGTAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 4145

QY 642 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCGGGAAGCATAAAGT 701
DB 4146 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCGGGAAGCATAAAGT 4205

QY 702 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 761
DB 4206 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 4265

QY 762 CCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 821
DB 4266 CCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 4325

QY 822 GGAGAGCGGTTTGGCTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 4326 GGAGAGCGGTTTGGCTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 4385

QY 882 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
DB 4386 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 4445

QY 942 CAGAAATCAGGGGATAACGAGGAAGAACAATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 4446 CAGAAATCAGGGGATAACGAGGAAGAACAATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4505

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RESULT 15
US-08-675-566-1
; Sequence 1, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6994 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-1

Query Match 42.0%; Score 420; DB 3; Length 6994;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Search completed: September 27, 2005, 07:59:23
Job time : 232.124 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 1541.75 Seconds
(without alignments)
4341.140 Million cell updates/sec

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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 7400732 seqs, 3343137571 residues

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Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	575	57.4	29544	9	US-09-464-767-1
3	420	42.0	7228	9	US-09-943-722-128
4	420	42.0	7228	9	US-09-943-722-129
5	420	42.0	7228	19	US-10-739-096-45
6	420	42.0	7228	20	US-10-480-793-6
7	420	42.0	8017	14	US-10-152-040-26

8	420	42.0	8017	21	US-10-478-434A-26	Sequence 26, Appl
9	420	42.0	8092	14	US-10-152-040-27	Sequence 27, Appl
10	420	42.0	8092	21	US-10-478-434A-27	Sequence 27, Appl
c 11	420	42.0	8937	9	US-09-872-733-8	Sequence 8, Appl
c 12	420	42.0	8937	9	US-09-872-733-9	Sequence 9, Appl
c 13	420	42.0	8937	14	US-10-263-020-8	Sequence 8, Appl
c 14	420	42.0	8937	14	US-10-263-020-9	Sequence 9, Appl
c 15	420	42.0	8937	18	US-10-844-027-8	Sequence 8, Appl
c 16	420	42.0	8937	18	US-10-844-027-9	Sequence 9, Appl
c 17	420	42.0	9299	19	US-10-759-602-15	Sequence 15, Appl
c 18	420	42.0	9408	19	US-10-759-602-16	Sequence 16, Appl
c 19	420	42.0	10417	14	US-10-152-040-28	Sequence 28, Appl
20	420	42.0	10417	21	US-10-478-434A-28	Sequence 28, Appl
21	415	41.5	10078	13	US-10-033-190-3	Sequence 3, Appl
22	393	39.3	752	9	US-09-956-004-108	Sequence 108, App
23	393	39.3	752	19	US-10-808-570-108	Sequence 232, App
c 24	393	39.3	1092	9	US-09-764-868-232	Sequence 1853, Ap
c 25	393	39.3	1092	10	US-09-764-891-1853	Sequence 482, App
c 26	393	39.3	1092	11	US-09-764-875-482	Sequence 317, App
c 27	393	39.3	1276	22	US-10-915-740A-317	Sequence 350, App
c 28	393	39.3	2074	15	US-10-106-698-350	Sequence 10, Appl
c 29	393	39.3	2192	14	US-10-021-403A-10	Sequence 1231, Ap
c 30	393	39.3	2474	10	US-09-933-767-1231	Sequence 72, Appl
31	393	39.3	3351	17	US-10-014-099F-72	Sequence 2, Appl
32	393	39.3	3369	22	US-10-894-949-2	Sequence 11, Appl
33	393	39.3	3387	21	US-10-685-837-11	Sequence 11, Appl
34	393	39.3	3387	21	US-10-685-837-12	Sequence 12, Appl
35	393	39.3	3387	21	US-10-685-837-13	Sequence 13, Appl
36	393	39.3	3426	16	US-10-136-837-2	Sequence 2, Appl
37	393	39.3	3497	18	US-10-420-529-11	Sequence 11, Appl
38	393	39.3	3534	14	US-10-021-403A-9	Sequence 9, Appl
39	393	39.3	3534	17	US-10-395-709-11	Sequence 11, Appl
40	393	39.3	3534	17	US-10-395-709-12	Sequence 12, Appl
41	393	39.3	3534	17	US-10-395-709-13	Sequence 13, Appl
42	393	39.3	3534	17	US-10-395-709-14	Sequence 14, Appl
43	393	39.3	3534	17	US-10-395-709-15	Sequence 15, Appl
44	393	39.3	3534	18	US-10-359-919A-11	Sequence 11, Appl
45	393	39.3	3534	18	US-10-359-919A-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match	100.0%;	Score	1001;	DB	9;	Length	32745;
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						Gaps	0;
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Db	29000	TAAACTGAAGCATCTTCTTCCTATTAAAAAGAAAGTTCCTCAATATTATTAGA	29059				
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29060	CTCTAACCAAAAAAATTCAAATACCTTTCTTTTAAATGTACATTAAGAATAAAAAATATA	29119
121	CTCACCGTTTAAAGTAGAACTTTAAACAGTATAATAATAACAAAGTGAGCTGAACACGA	180
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361	AAAAATTCACGAAAAACAGAAAGCAAAAACCTACTAAATCTGCTATTGGCAAAATAAGAAAA	420
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661	GCTCACAAATTCACACAAACATACGAGCCGGAAGCATAAAGTGTAAAGCCCTGGGGTGCGTA	720
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721	ATGAGTGAGCTAACTCACATTAATTTGGGTTGGCGTCACTGCCCGCTTTCCAGTTCGGGAAA	780
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781	CTGTGCTGCGAGCTGCAATTAATGAATTCGGCCAAACGCGCGGGAGAGCGGTTTGCCTAT	840
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901	AGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACGC	960
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RESULT 2

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US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and its Use as a Viral Vec
; FILE REFERENCE: 50179-073

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; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

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Query Match	57.4%;	Score 575;	DB 9;	Length 29544;
Best Local Similarity	100.0%;	Pred. No. 4.2e-261;		
Matches 575; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;
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RESULT 3

US-09-943-722-128/c
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 ; Publication No. US20020192660A1
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 ; APPLICANT:
 ; APPLICANT:
 ; APPLICANT:
 ; TITLE OF INVENTION: METHOD OF ELIMINATING
 ; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
 ; NUMBER OF SEQUENCES: 130
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORGAN & FINNEGAN
 ; STREET: 345 PARK AVENUE
 ; CITY: NEW YORK
 ; STATE: NEW YORK
 ; COUNTRY: USA
 ; ZIP: 10154

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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/943,722
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 2026-4006US1
TELEPHONE: (212)758-4800
TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 7228 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
US-09-943-722-128

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Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6407 GTAAAGCCTGGGTGCGCTAATGAGTGAGCTAACTCACATTAATTCGCTGCTCACTGC 6348

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Qy 942 CAGAAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 6167 CAGAAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 6108
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RESULT 4

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US-09-943-722-129/c
Sequence 129, Application US/09943722
Publication No. US20020192660A1
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: METHOD OF ELIMINATING
TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/943,722
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 2026-4006US1
TELEPHONE: (212)758-4800
TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO: 129:
SEQUENCE CHARACTERISTICS:
LENGTH: 7228 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
US-09-943-722-129

Query Match 42.0%; Score 420; DB 9; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6527 TTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGCTAGCTGTTTC 6468

Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 6408

Qy 702 GTAAAGCCTGGGTGCGCTAATGAGTGAGCTAACTCACATTAATTCGCTGCTCACTGC 761
Db 6407 GTAAAGCCTGGGTGCGCTAATGAGTGAGCTAACTCACATTAATTCGCTGCTCACTGC 6348

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGCGCCAGCTGCATTAATGAATCGGCCAAGCGCGG 821
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Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTCGCCAGCTGCTAATGAATCGGCAACGCGCGG 6288
Qy 822 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 6228
Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 941
Db 6227 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6168
Qy 942 CAGAATCAGGGGATAACGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 941
Db 6227 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6168
Qy 942 CAGAATCAGGGGATAACGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 1001
Db 6167 CAGAATCAGGGGATAACGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6108

RESULT 5

US-10-739-096-45/c
; Sequence 45, Application US/10739096
; Publication No. US20040136963A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: GaO, Guangping
; APPLICANT: Soumitra, Roy
; TITLE OF INVENTION: Simian Adenovirus, Vectors and Methods of Use
; FILE REFERENCE: UPN-02677CIPUSA
; CURRENT APPLICATION NUMBER: US/10/739,096
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/300,131
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US 60/304,843
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: US 60/331,951
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/366,798
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: PCT/US02/15239
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: PCT/US02/33645
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 7228
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified HIV-1 gag sequence
; NAME/KEY: CDS
; LOCATION: (729)..(1820)
US-10-739-096-45

Query Match 42.0%; Score 420; DB 19; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGCTCATAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGCTCATAGCTGTTTC 6468
Qy 642 CTGTGTGAATTTGTTATCCGCTCACTCAACATACGAGCGCGGAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGCGGAGCATAAAGT 6408
Qy 702 GTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGC 761
Db 6407 GTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGC 6348
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCAACGCGCGG 821
Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCAACGCGCGG 6288

Qy 822 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 6228
Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 941
Db 6227 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6168
Qy 942 CAGAATCAGGGGATAACGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 1001
Db 6167 CAGAATCAGGGGATAACGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6108

RESULT 6

US-10-480-793-6/c
; Sequence 6, Application US/10480793
; Publication No. US20040241181A1
; GENERAL INFORMATION:
; APPLICANT: The Wistar Institute of Anatomy and Biology
; APPLICANT: The Trustees of The University of Pennsylvania
; APPLICANT: Ertl, Hildegund C.J.
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Methods of Inducing a Cytotoxic Immune Response and Recombinant S
; FILE REFERENCE: WST104/UPNN2628A
; CURRENT APPLICATION NUMBER: US/10/480,793
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/300,131
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US 60/304,843
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 7228
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified HIV-1 gag sequence
; NAME/KEY: CDS
; LOCATION: (729)..(1820)
; OTHER INFORMATION:
US-10-480-793-6

Query Match 42.0%; Score 420; DB 20; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGCTCATAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGCTCATAGCTGTTTC 6468
Qy 642 CTGTGTGAATTTGTTATCCGCTCACTCAACATACGAGCGCGGAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGCGGAGCATAAAGT 6408
Qy 702 GTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGC 761
Db 6407 GTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGC 6348
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCAACGCGCGG 821
Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCAACGCGCGG 6288
Qy 822 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGCTATGGGCGCTCTTCGCTTCCTCGCTCACTAGCTCGCTGGCT 6228
Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 941
Db 6227 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 6168

; APPLICANT: VAN DER WERF, SYLVIE

; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 8092
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid pm(DELTA)PM
US-10-152-040-27

Query Match 42.0%; Score 420; DB 14; Length 8092;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4947 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 5006
Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 701
Db 5007 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 5066
Qy 702 GTAAAGCCTGGGTCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 761
Db 5067 GTAAAGCCTGGGTCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 5126
Qy 762 CCGCTTTCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGATGCGTTCGCTCACTGC 821
Db 5127 CCGCTTTCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGATGCGTTCGCTCACTGC 5186
Qy 822 GGAGAGCGGTTTCGCTATTCGGCGCTCTTCCGCTTCTCGCTCACTGCTCGCTCGCT 881
Db 5187 GGAGAGCGGTTTCGCTATTCGGCGCTCTTCCGCTTCTCGCTCACTGCTCGCTCGCT 5246
Qy 882 CCGTTCGTTTCGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 941
Db 5247 CCGTTCGTTTCGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 5306
Qy 942 CAGATCAGGGGATAACGACGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 5307 CAGATCAGGGGATAACGACGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 5366

RESULT 10

US-10-478-434A-27
; Sequence 27, Application US/10478434A
; Publication No. US20050118566A1
; GENERAL INFORMATION:
; APPLICANT: ESCRIOU, NICOLAS
; APPLICANT: VAN DER WERF, SYLVIE
; APPLICANT: VIGNUZZI, MARCO
; APPLICANT: GERBAUD, SYLVIE
; TITLE OF INVENTION: REPLICONS DERIVED FROM POSITIVE STRAND RNA VIRUS
; TITLE OF INVENTION: GENOMES USEFUL FOR THE PRODUCTION OF HETEROLOGOUS
; FILE REFERENCE: 03495-0296
; CURRENT APPLICATION NUMBER: US/10/478,434A
; PRIOR FILING DATE: 2003-11-21
; PRIOR FILING DATE: 2002-05-23
; PRIOR FILING DATE: 2002-05-23
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 27
; LENGTH: 8092
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid sequence
US-10-478-434A-27

Query Match 42.0%; Score 420; DB 21; Length 8092;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4947 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 5006
Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 701
Db 5007 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 5066
Qy 702 GTAAAGCCTGGGTCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 761
Db 5067 GTAAAGCCTGGGTCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 5126
Qy 762 CCGCTTTCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGATGCGTTCGCTCACTGC 821
Db 5127 CCGCTTTCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGATGCGTTCGCTCACTGC 5186
Qy 822 GGAGAGCGGTTTCGCTATTCGGCGCTCTTCCGCTTCTCGCTCACTGCTCGCTCGCT 881
Db 5187 GGAGAGCGGTTTCGCTATTCGGCGCTCTTCCGCTTCTCGCTCACTGCTCGCTCGCT 5246
Qy 882 CCGTTCGTTTCGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 941
Db 5247 CCGTTCGTTTCGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 5306
Qy 942 CAGATCAGGGGATAACGACGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 5307 CAGATCAGGGGATAACGACGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 5366

RESULT 11

US-09-872-733-8/c
; Sequence 8, Application US/09872733
; Patent No. US20010036655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, HIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, HIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construc pmBCwCnLuci
US-09-872-733-8

Query Match 42.0%; Score 420; DB 9; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTGTGTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177
Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 701
Db 8176 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACAACATACGAGCCGGAAGCATAAAGT 8117
Qy 702 GTAAAGCCTGGGTCCTTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 761

Db 8116 GTAAAGCTGGGGTCCCTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 7997
Qy 822 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 881
Db 7996 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 7937
Qy 882 CGGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 7877
Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

RESULT 12

US-09-872-733-9/c
; Sequence 9, Application US/09872733
; Patent No. US2001003665A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: from transfer construct pmBMCNluci
US-09-872-733-9

Query Match 42.0%; Score 420; DB 9; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 8177
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACAAACATACAGCGCGGAAGCATAAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACAAACATACAGCGCGGAAGCATAAAGT 8117
Qy 702 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTCAATTAATTTGCGTTCAGCTCACTGC 761
Db 8116 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTCAATTAATTTGCGTTCAGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 7997
Qy 822 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 881
Db 7996 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 7937
Qy 882 CGGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 7877

Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

RESULT 13

US-10-263-020-8/c
; Sequence 8, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBMCNluci
US-10-263-020-8

Query Match 42.0%; Score 420; DB 14; Length 8937;

Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 8177
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACAAACATACAGCGCGGAAGCATAAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACAAACATACAGCGCGGAAGCATAAAGT 8117
Qy 702 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTCAATTAATTTGCGTTCAGCTCACTGC 761
Db 8116 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTCAATTAATTTGCGTTCAGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATTAATGAATCGGCAACGCGCG 7997
Qy 822 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 881
Db 7996 GGAGAGCGGTTTTCGTAATGGGGCTCTTTCGGCTTCCTCGCTCACTGACTCGCTGCGCT 7937
Qy 882 CGGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA 7877
Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

RESULT 14

US-10-263-020-9/c
; Sequence 9, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as

; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; TITLE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBcMnLuci
US-10-263-020-9

Query Match 42.0%; Score 420; DB 14; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 8117

Qy 702 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 761
Db 8176 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 8117

Qy 702 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 761
Db 8116 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 8057

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAACCGCGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAACCGCGG 7997

Qy 822 GGAGAGCGGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 7996 GGAGAGCGGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 7937

Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACGGTTATCCA 941
Db 7936 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACGGTTATCCA 7877

Qy 942 CAGAAATCAGGGGATAACCGAGGAAAGAAATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAAATCAGGGGATAACCGAGGAAAGAAATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

RESULT 15

US-10-644-027-8/c
; Sequence 8, Application US/10644027
; Publication No. US2004007757A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; TITLE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/644,027
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/872,733A
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBcMnLuci
US-10-644-027-8

Query Match 42.0%; Score 420; DB 18; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 8117

Qy 702 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 761
Db 8116 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTGCGTTCAGTGC 8057

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAACCGCGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAACCGCGG 7997

Qy 822 GGAGAGCGGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 7996 GGAGAGCGGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 7937

Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACGGTTATCCA 941
Db 7936 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACGGTTATCCA 7877

Qy 942 CAGAAATCAGGGGATAACCGAGGAAAGAAATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAAATCAGGGGATAACCGAGGAAAGAAATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

Search completed: September 27, 2005, 07:49:26
Job time : 1544.75 secs

GenCore version 5.1.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 229.731 Seconds
(without alignments)
7129.691 Million cell updates/sec

Title: US-09-464-767A-3_COPY_29000_30000
Perfect score: 1001
Sequence: 1 taaactgaagcatctct.....aggccagcaaaagccagg 1001

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/1/ina/5A-COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B-COMB.seq.*
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4: /cgn2_6/prodata/1/ina/6B-COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCTUS-COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	421.2	42.1	7228	2	US-08-850-049-128 Sequence 128, App
C 2	421.2	42.1	7228	2	US-08-850-049-128 Sequence 129, App
C 3	421.2	42.1	7228	2	US-08-050-478-128 Sequence 128, App
C 4	421.2	42.1	7228	2	US-08-050-478-128 Sequence 129, App
C 5	421.2	42.1	7228	3	US-09-414-117-128 Sequence 128, App
C 6	421.2	42.1	7228	3	US-09-414-117-128 Sequence 129, App
C 7	421.2	42.1	7228	3	US-09-678-437-128 Sequence 128, App
C 8	421.2	42.1	7228	3	US-09-678-437-128 Sequence 129, App
C 9	421.2	42.1	7228	4	US-09-943-722-128 Sequence 128, App
C 10	421.2	42.1	7228	4	US-09-943-722-128 Sequence 129, App
C 11	421.2	42.1	8937	4	US-09-872-733A-8 Sequence 8, Appli
C 12	421.2	42.1	8937	4	US-09-872-733A-9 Sequence 9, Appli
C 13	420.8	42.0	3699	3	US-08-646-538-6 Sequence 6, Appli
C 14	420.8	42.0	3699	3	US-08-646-538-6 Sequence 6, Appli
C 15	420.8	42.0	4525	2	US-08-613-861-2 Sequence 2, Appli
C 16	420.8	42.0	4965	3	US-08-675-566-22 Sequence 22, Appli
C 17	420.8	42.0	5109	3	US-08-675-566-19 Sequence 19, Appli
C 18	420.8	42.0	6045	3	US-08-675-566-18 Sequence 18, Appli
C 19	420.8	42.0	6196	3	US-08-675-566-5 Sequence 5, Appli
C 20	420.8	42.0	6243	3	US-08-675-566-14 Sequence 14, Appli
C 21	420.8	42.0	6244	3	US-08-675-566-17 Sequence 17, Appli
C 22	420.8	42.0	6447	3	US-08-675-566-16 Sequence 16, Appli
C 23	420.8	42.0	6503	3	US-08-675-566-6 Sequence 6, Appli
C 24	420.8	42.0	6578	3	US-08-675-566-4 Sequence 4, Appli
C 25	420.8	42.0	6812	3	US-08-675-566-15 Sequence 15, Appli
C 26	420.8	42.0	6958	3	US-08-675-566-2 Sequence 2, Appli
C 27	420.8	42.0	6994	3	US-08-675-566-1 Sequence 1, Appli

28	420.8	42.0	7001	3	US-08-675-566-3 Sequence 3, Appli
29	420.8	42.0	7379	3	US-08-675-566-13 Sequence 13, Appli
30	420.8	42.0	8618	3	US-08-675-566-21 Sequence 21, Appli
31	420.8	42.0	8792	3	US-08-675-566-25 Sequence 25, Appli
C 32	420.8	42.0	9299	3	US-09-097-319A-15 Sequence 15, Appli
C 33	420.8	42.0	9299	4	US-09-643-971-15 Sequence 15, Appli
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C 35	420.8	42.0	9408	4	US-09-643-971-16 Sequence 16, Appli
36	420.8	42.0	10281	2	US-08-816-155B-1 Sequence 1, Appli
37	420.8	42.0	10281	3	US-09-079-587-1 Sequence 1, Appli
38	419.4	41.9	4704	4	US-09-932-328-4 Sequence 4, Appli
39	419.4	41.9	5707	2	US-08-472-809B-8 Sequence 8, Appli
40	419.4	41.9	6345	2	US-08-472-809B-7 Sequence 7, Appli
41	419.2	41.9	752	3	US-08-976-239-108 Sequence 108, App
42	419.2	41.9	752	4	US-09-956-004-108 Sequence 108, App
43	419.2	41.9	3988	4	US-09-358-856C-12 Sequence 12, Appli
44	419.2	41.9	4119	4	US-09-993-170-1 Sequence 1, Appli
45	419.2	41.9	4164	1	US-08-204-675-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-850-049-128/c
; Sequence 128, Application US/08850049
; Patent No. 5965726
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/850,049
; FILING DATE: 02-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID

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; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
US-08-850-049-128

Query Match      42.1%; Score 421.2; DB 2; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 635
DB 6533 GCAGCTTTTGTCCCTTTAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 6474

QY 636 TGTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAAATACGAGCCGGAAGCA 695
DB 6473 TGTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAAATACGAGCCGGAAGCA 6414

QY 696 TAAAGTGTAAAGCTGGGTTGCTTAATAGTGGCTTAATCCGAGCTTGGCGTAAATCATGTCTATAGC 755
DB 6413 TAAAGTGTAAAGCTGGGTTGCTTAATAGTGGCTTAATCCGAGCTTGGCGTAAATCATGTCTATAGC 6354

QY 756 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAATGAATCGGCCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAATGAATCGGCCAAC 6294

QY 816 GCGCGGGAGAGCGGTTTGGCTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
DB 6293 GCGCGGGAGAGCGGTTTGGCTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 6234

QY 876 TGGCTCGCTGCTTGGCTCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 935
DB 6233 TGGCTCGCTGCTTGGCTCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 6174

QY 936 TATCCACAGATCAGGGATAACGACGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGATCAGGGATAACGACGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114

QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 2
US-08-049-129/c
; Sequence 129, Application US/08850049
; Patent No. 5965726
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/850,049
; FILING DATE: 02-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRIS, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)751-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
US-08-850-049-129

Query Match      42.1%; Score 421.2; DB 2; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 635
DB 6533 GCAGCTTTTGTCCCTTTAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 6474

QY 636 TGTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAAATACGAGCCGGAAGCA 695
DB 6473 TGTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAAATACGAGCCGGAAGCA 6414

QY 696 TAAAGTGTAAAGCTGGGTTGCTTAATAGTGGCTTAATCCGAGCTTGGCGTAAATCATGTCTATAGC 755
DB 6413 TAAAGTGTAAAGCTGGGTTGCTTAATAGTGGCTTAATCCGAGCTTGGCGTAAATCATGTCTATAGC 6354

QY 756 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAATGAATCGGCCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGCATTAATGAATCGGCCAAC 6294

QY 816 GCGCGGGAGAGCGGTTTGGCTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
DB 6293 GCGCGGGAGAGCGGTTTGGCTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 6234

QY 876 TGGCTCGCTGCTTGGCTCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 935
DB 6233 TGGCTCGCTGCTTGGCTCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 6174

QY 936 TATCCACAGATCAGGGATAACGACGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGATCAGGGATAACGACGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114

QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 3
US-08-050-478-128/c
; Sequence 128, Application US/08050478
; Patent No. 5972596
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
```

CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 2026-4006US1
TELEPHONE: (212)758-4800
TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 7228 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
US-08-050-478-128

Query Match 42.1%; Score 421.2; DB 2; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCTTTTGTCCCTTTAGTGAGGGTTAAATCCGAGCTTGCGGTAATCATGTCATAGC 635
DB 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGCGGTAATCATGTCATAGC 6474

QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAAAATCCACAAATACGAGCGGGAAGCA 695
DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCAAAATCCACAAATACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAAGCTTGGGTCCTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 755
DB 6413 TAAAGTGTAAAGCTTGGGTCCTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 6354

QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAAATCGGCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAAATCGGCAAC 6294

QY 816 GCGCGGGAGAGCGGTTTGGGCTATTTGGGCTTTCCGCTTCTCCGCTTCTCACTGACTGCG 875
DB 6293 GCGCGGGAGAGCGGTTTGGGCTATTTGGGCTTTCTCCGCTTCTCACTGACTGCG 6234

QY 876 TCGCTCGGTTCGCTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 935
DB 6233 TCGCTCGGTTCGCTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 6174

QY 936 TATCCACAAATCAGGGTAACGCAAGGAAGCAATGTGAGCAAAAGCCGACGCAAGG 995
DB 6173 TATCCACAAATCAGGGTAACGCAAGGAAGCAATGTGAGCAAAAGCCGACGCAAGG 6114

QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 4
US-08-050-478-129/c
Sequence 129, Application US/08050478
Patent No. 5972596
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: METHOD OF ELIMINATING
INHIBITORY/INSTABILITY REGIONS OF mRNA
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 2026-4006US1
TELEPHONE: (212)758-4800
TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO: 129:
SEQUENCE CHARACTERISTICS:
LENGTH: 7228 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
US-08-050-478-129

Query Match 42.1%; Score 421.2; DB 2; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGCGGTAATCATGTCATAGC 635
DB 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGCGGTAATCATGTCATAGC 6474

QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAAAATCCACAAATACGAGCGGGAAGCA 695
DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCAAAATCCACAAATACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAAGCTTGGGTCCTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 755
DB 6413 TAAAGTGTAAAGCTTGGGTCCTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 6354

QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAAATCGGCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAAATCGGCAAC 6294

QY 816 GCGCGGGAGAGCGGTTTGGGCTATTTGGGCTTTCCGCTTCTCCGCTTCTCACTGACTGCG 875
DB 6293 GCGCGGGAGAGCGGTTTGGGCTATTTGGGCTTTCTCCGCTTCTCACTGACTGCG 6234

QY 876 TGGCTCGGTCGTTCCGCTCGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 935
DB 6233 TGGCTCGGTCGTTCCGCTCGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 6174
QY 936 TATCCACAGAAATCAGGGGATAACCGCAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGAAATCAGGGGATAACCGCAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 5

US-09-414-117-128/c
; Sequence 128, Application US/09414117
; Patent No. 6291664
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/414,117
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR

Query Match 42.1%; Score 421.2; DB 3; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 576 GTACCCCTTGTCCCTTTAGTAGGGGTTAAATCCGAGCTTGGCGGTAAATCATGTGTCATAGC 635

DB 6533 GCAGCTTTTGTTCCTTTTGTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC 6474
QY 636 TGTTCCTCTGTGTGAATTTGTTATCCGCTCACAATTTCCACACAATACGAGCCGGAAGCA 695
DB 6473 TGTTCCTCTGTGTGAATTTGTTATCCGCTCACAATTTCCACACAATACGAGCCGGAAGCA 6414
QY 696 TAAAGTGTAAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACATTTAAATTGCGTTCCGCT 755
DB 6413 TAAAGTGTAAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACATTTAAATTGCGTTCCGCT 6354
QY 756 CACTGCCCGCTTTCCAGTCCGGGAAACCTGTCTGTCGAGCTGCATTAATGAATCGGCCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCCGGGAAACCTGTCTGTCGAGCTGCATTAATGAATCGGCCAAC 6294
QY 816 GCGCGGGAGAGCGGTTTTCGCTGATTTGGGCGCTCTTCCGCTTCTCCGCTCACTGACTCGC 875
DB 6293 GCGCGGGAGAGCGGTTTTCGCTGATTTGGGCGCTCTTCCGCTTCTCCGCTCACTGACTCGC 6234
QY 876 TGCCTCGGCTCGTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 935
DB 6233 TGCCTCGGCTCGTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 6174
QY 936 TATCCACAGAAATCAGGGGATAACCGCAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGAAATCAGGGGATAACCGCAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 6

US-09-414-117-129/c
; Sequence 129, Application US/09414117
; Patent No. 6291664
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/414,117
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.

```
;
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
;
US-09-414-117-129

Query Match 42.1%; Score 421.2; DB 3; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTCAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 635
Db 6533 GCAGCTTTTGTTCCTTTAGTCAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 6474

QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 695
Db 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGTCGCT 755
Db 6413 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGTCGCT 6354

QY 756 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCAATTAATGAATCGGCCAAC 6294

QY 816 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCGCGCTTCCCTCGCTCACTGACTCGC 875
Db 6293 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCGCGCTTCCCTCGCTCACTGACTCGC 6234

QY 876 TCGCGTCGCTCTTCGCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935
Db 6233 TCGCGTCGCTCTTCGCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 6174

QY 936 TATCCACAGAAATCAGGGATACCGCAGGAAGAAACATGTGACAAAGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGATACCGCAGGAAGAAACATGTGACAAAGCCAGCAAAAGG 6114

QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 7
US-09-437-128/c
; Sequence 128, Application US/09678437
; Patent No. 6414132
; GENERAL INFORMATION:
; APPLICANT: <Unknown>
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
;
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA: US/09/678,437
;
;
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRIS, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
;
US-09-678-437-128

Query Match 42.1%; Score 421.2; DB 3; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTCAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 635
Db 6533 GCAGCTTTTGTTCCTTTAGTCAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 6474

QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 695
Db 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGTCGCT 755
Db 6413 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGTCGCT 6354

QY 756 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCAATTAATGAATCGGCCAAC 6294

QY 816 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCGCGCTTCCCTCGCTCACTGACTCGC 875
Db 6293 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCGCGCTTCCCTCGCTCACTGACTCGC 6234

QY 876 TCGCGTCGCTCTTCGCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935
Db 6233 TCGCGTCGCTCTTCGCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 6174

QY 936 TATCCACAGAAATCAGGGATACCGCAGGAAGAAACATGTGACAAAGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGATACCGCAGGAAGAAACATGTGACAAAGCCAGCAAAAGG 6114

QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 8
US-09-678-437-129/c
; Sequence 129, Application US/09678437
; Patent No. 6414132
; GENERAL INFORMATION:
; APPLICANT: <Unknown>
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
;
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
```


QY 756 CACTGCCCCCTTTCCAGTCGGGAAACCTGTCTGTCCAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCCCCTTTCCAGTCGGGAAACCTGTCTGTCCAGCTGCAATTAATGAATCGGCCAAC 6294
QY 816 GCGCGGGAGAGCGGTTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 875
Db 6293 GCGCGGGAGAGCGGTTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 6234
QY 876 TCGCTCGCTGCTTCCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACCGT 935
Db 6233 TCGCTCGCTGCTTCCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACCGT 6174
QY 936 TATCCACAGAATCAGGGGATAACGCGAGGAAAGAAACATGTGACGACAAAGCCAGCAAAAGG 995
Db 6173 TATCCACAGAATCAGGGGATAACGCGAGGAAAGAAACATGTGACGACAAAGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 10
US-09-943-722-129/c
; Sequence 129, Application US/09943722
; Patent No. 6794498
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESS: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,722
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRIS, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
US-09-943-722-129
Query Match 42.1%; Score 421.2; DB 4; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 576 GTACCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATCGTTCATAGC 635
Db 6533 GACGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATCGTTCATAGC 6474
QY 636 TGTTCCTGTGTGAAATTTTATCCGCTCACAATTTCCACACAACATACGAGCCGGAAGCA 695
Db 6473 TGTTCCTGTGTGAAATTTTATCCGCTCACAATTTCCACACAACATACGAGCCGGAAGCA 6414
QY 696 TAAAGTGTAAAGCCTGGGGTGCCTTAATGAGTGAGTAACTACATTAATTTGGTTGCGCT 755
Db 6413 TAAAGTGTAAAGCCTGGGGTGCCTTAATGAGTGAGTAACTACATTAATTTGGTTGCGCT 6354
QY 756 CACTGCCCGCTTTCAGTCGGGAAACCTGTCTGTCCAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCCGCTTTCAGTCGGGAAACCTGTCTGTCCAGCTGCAATTAATGAATCGGCCAAC 6294
QY 816 GCGCGGGAGAGCGGTTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 875
Db 6293 GCGCGGGAGAGCGGTTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 6234
QY 876 TCGCTCGCTGCTTCCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACCGT 935
Db 6233 TCGCTCGCTGCTTCCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGGCGGTAATACCGT 6174
QY 936 TATCCACAGAATCAGGGGATAACGCGAGGAAAGAAACATGTGACGACAAAGCCAGCAAAAGG 995
Db 6173 TATCCACAGAATCAGGGGATAACGCGAGGAAAGAAACATGTGACGACAAAGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 11
US-09-872-733A-8/c
; Sequence 8, Application US/09872733A
; Patent No. 6656706
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733A
; PRIOR FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBCwCNIucl
US-09-872-733A-8

Query Match 42.1%; Score 421.2; DB 4; Length 8937;
Best Local Similarity 99.3%; Pred. No. 2.7e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTTAAAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 635
DB 8242 GCAGCTTTTGTTCCTTTTAAAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 8183
QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCGGGAAGCA 695
DB 8182 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCGGGAAGCA 8123
QY 696 TAAAGTGTAAAGCTCGGGTGCCTTAATAGTGAAGTAACTCAATTAATTTGCGTTTCGGCT 755
DB 8122 TAAAGTGTAAAGCTCGGGTGCCTTAATAGTGAAGTAACTCAATTAATTTGCGTTTCGGCT 8063
QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAC 815
DB 8062 CACTGCCCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAC 8003
QY 816 GCGCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCGCGCTTCCGCTCACTGACTCGC 875
DB 8002 GCGCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCGCGCTTCCGCTCACTGACTCGC 7943
QY 876 TCGCTCGGTTCGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 935
DB 7942 TCGCTCGGTTCGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 7883
QY 936 TATCCACAGAAATCAGGGGATAACGAGGAAAGCAATGTGAGCAAAAGCCAGCAAAAGG 995
DB 7882 TATCCACAGAAATCAGGGGATAACGAGGAAAGCAATGTGAGCAAAAGCCAGCAAAAGG 7823
QY 996 CCAGGA 1001
DB 7822 CCAGGA 7817

RESULT 12

US-09-872-733A-9/c
; Sequence 9, Application US/09872733A
; Patent No. 6656706
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pm8CmCncluc1
US-09-872-733A-9

Query Match 42.1%; Score 421.2; DB 4; Length 8937;
Best Local Similarity 99.3%; Pred. No. 2.7e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 576 GTACCCCTTTGTTCCCTTTTAAAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 635
DB 8242 GCAGCTTTTGTTCCTTTTAAAGTGGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 8183
QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCGGGAAGCA 695
DB 8182 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCGGGAAGCA 8123
QY 696 TAAAGTGTAAAGCTCGGGTGCCTTAATAGTGAAGTAACTCAATTAATTTGCGTTTCGGCT 755

DB 8122 TAAAGTGTAAAGCTCGGGTGCCTTAATAGTGAAGTAACTCAATTAATTTGCGTTTCGGCT 8063
QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAC 815
DB 8062 CACTGCCCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAC 8003
QY 816 GCGCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCGCGCTTCCGCTCACTGACTCGC 875
DB 8002 GCGCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCGCGCTTCCGCTCACTGACTCGC 7943
QY 876 TCGCTCGGTTCGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 935
DB 7942 TCGCTCGGTTCGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 7883
QY 936 TATCCACAGAAATCAGGGGATAACGAGGAAAGCAATGTGAGCAAAAGCCAGCAAAAGG 995
DB 7882 TATCCACAGAAATCAGGGGATAACGAGGAAAGCAATGTGAGCAAAAGCCAGCAAAAGG 7823
QY 996 CCAGGA 1001
DB 7822 CCAGGA 7817

RESULT 13

US-08-646-538-6
; Sequence 6, Application US/08646538
; Patent No. 6027881
; GENERAL INFORMATION:
; APPLICANT: Pavlakis, George N.
; APPLICANT: Gaitanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE: No. 6027881 yet assigned
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3699 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..3699
; OTHER INFORMATION: /note= "pBSGFP"
US-08-646-538-6

Query Match 42.0%; Score 420.8; DB 3; Length 3699;
Best Local Similarity 99.5%; Pred. No. 2.4e-97;

	Matches	422;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
Qy	578	ACGCTTTGTTCCCTTTT	AGTGAGGGTTAAAT	TCCGAGCTTGGCGTAAAT	CATGGTCATAGCTG	637				
Db	1497	AGCTTTTGTTCCTTTT	AGTGAGGGTTAAAT	TCCGAGCTTGGCGTAAAT	CATGGTCATAGCTG	1556				
Qy	638	TTTCTCGTGTGAATTCG	TATCCGCTCACAAT	TCCACACAACATACGAGCCGGAAGCAT	A	697				
Db	1557	TTTCTCGTGTGAATTCG	TATCCGCTCACAAT	TCCACACAACATACGAGCCGGAAGCAT	A	1616				
Qy	698	AAGTGTAAAGCCTGGGG	TGCCTAAATGAGTGAGCT	TAATCAATTAATTTGGTTGCGCTCA		757				
Db	1617	AAGTGTAAAGCCTGGGG	TGCCTAAATGAGTGAGCT	TAATCAATTAATTTGGTTGCGCTCA		1676				
Qy	758	CTGCCCGCTTCCAGT	CGGGAAACCTGTGCGCAGCTGCAT	TAAATGAATCGGCCAACGC		817				
Db	1677	CTGCCCGCTTCCAGT	CGGGAAACCTGTGCGCAGCTGCAT	TAAATGAATCGGCCAACGC		1736				
Qy	818	CGCGGGAGAGCGCGT	TTTGGCGTATTGGCGGCTCTT	CCGCTTTCCTCGCTCACTGACTCGCTG		877				
Db	1737	CGCGGGAGAGCGCGT	TTTGGCGTATTGGCGGCTCTT	CCGCTTTCCTCGCTCACTGACTCGCTG		1796				
Qy	878	CGCTCGGTCTGTTCCG	CTCGCGAGCGGTTAT	TCAGCTCACTCAAAAGGCGGTAAATACGGTTA		937				
Db	1797	CGCTCGGTCTGTTCCG	CTCGCGAGCGGTTAT	TCAGCTCACTCAAAAGGCGGTAAATACGGTTA		1856				
Qy	938	TCCACACAATCAGGGGA	TAAACGACAGGAAAGAA	CATGTGACCAAAAGCCACGACAAAGGCC		997				
Db	1857	TCCACACAATCAGGGGA	TAAACGACAGGAAAGAA	CATGTGACCAAAAGCCACGACAAAGGCC		1916				
Qy	998	AGGA	1001							
Db	1917	AGGA	1920							

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RESULT 14
US-09-503-222-6
; Sequence 6, Application US/09503222
; Patent No. 6265548
; GENERAL INFORMATION:
; APPLICANT: Pavlakis, George N.
; APPLICANT: Gaitanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/503,222
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300

```

```

; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3699 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..3699
; OTHER INFORMATION: /note= "pBSGPP"
US-09-503-222-6

Query Match 42.0%; Score 420.8; DB 3; Length 3699;
Best Local Similarity 99.5%; Pred. No. 2.4e-97;
Matches 422; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 578 ACCCTTTGTTCCCTTTAGTCAGGGTTAAATTCGCGACTTGGCGTAATCATCGTCATAGCTG 637
Db 1497 AGCTTTTGTTCCTTTTAGTGAGGGTTAAATTCGCGACTTGGCGTAATCATCGTCATAGCTG 1556

Qy 638 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAAACATACGAGCCGGAAGCAT 697
Db 1557 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAAACATACGAGCCGGAAGCAT 1616

Qy 698 AAGTGTAAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCAATTAATTCGTTGCGCTCA 757
Db 1617 AAGTGTAAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCAATTAATTCGTTGCGCTCA 1676

Qy 758 CTGCGCGCTTCAGTCGCGGAACCTGTGTCGAGCTGCATTAATGAATCGGCCAACGC 817
Db 1677 CTGCGCGCTTCAGTCGCGGAACCTGTGTCGAGCTGCATTAATGAATCGGCCAACGC 1736

Qy 818 GCGGGGAGAGCGGCTTTGCGTATTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTCGCTG 877
Db 1737 GCGGGGAGAGCGGCTTTGCGTATTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTCGCTG 1796

Qy 878 CGCTCGGTCGTTCCGGCTGCGCGAGCGGTAATCAGCTCACTCAAAGGCGGTAATACGGTTA 937
Db 1797 CGCTCGGTCGTTCCGGCTGCGCGAGCGGTAATCAGCTCACTCAAAGGCGGTAATACGGTTA 1856

Qy 938 TCACAGAAATCAGGGGATACGAGGAAAGAAATGTAGCAAAAGCCAGCAAAAGGCC 997
Db 1857 TCACAGAAATCAGGGGATACGAGGAAAGAAATGTAGCAAAAGCCAGCAAAAGGCC 1916

Qy 998 AGGA 1001
Db 1917 AGGA 1920

RESULT 15
US-08-613-861-2/c
; Sequence 2, Application US/08613861
; Patent No. 5843770
; GENERAL INFORMATION:
; APPLICANT: Illi, Charles R. et al.
; TITLE OF INVENTION: Antisense Constructs Directed Against Viral Post-Transcriptional Replication
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,861
; FILING DATE: 13-APR-1994

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; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/111,111
; FILING DATE: 12-DEC-1909
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Name Init
; REGISTRATION NUMBER: 000000
; REFERENCE/DOCKET NUMBER: oe
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4525 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-08-613-861-2

Query Match      42.0%; Score 420.8; DB 2; Length 4525;
Best Local Similarity 99.5%; Pred. No. 2.6e-97;
Matches 422; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 578 ACCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTG 637
Db      |||||||
Qy 638 TTTCCTGTGTGAATTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCATTA 697
Db      |||||||
Qy 2143 TTTCCTGTGTGAATTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCATTA 2084
Db      |||||||
Qy 698 AAGTGAAGCTGGGCTGCTAATGAGTGAGCTAACTCACATTAATTGGTTGCGCTCA 757
Db      |||||||
Qy 2083 AAGTGAAGCTGGGCTGCTAATGAGTGAGCTAACTCACATTAATTGGTTGCGCTCA 2024
Db      |||||||
Qy 758 CTGCCCGCTTTCCAGTCGGGAAACCTCTCGTGCCAGCTGCATTAAATGAATCGGCCAACGC 817
Db      |||||||
Qy 2023 CTGCCCGCTTTCCAGTCGGGAAACCTCTCGTGCCAGCTGCATTAAATGAATCGGCCAACGC 1964
Db      |||||||
Qy 818 GCGGGGAGAGCGGTTTGGCGTATTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTGCTG 877
Db      |||||||
Qy 1963 GCGGGGAGAGCGGTTTGGCGTATTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTGCTG 1904
Db      |||||||
Qy 878 CGCTCGGTCTGTTGGCTGCGGCGGCTATCAGCTCACTCAAAGGCGGTAATACGGTTA 937
Db      |||||||
Qy 1903 CGCTCGGTCTGTTGGCTGCGGCGGCTATCAGCTCACTCAAAGGCGGTAATACGGTTA 1844
Db      |||||||
Qy 938 TCCACAGAATCAGGGGATAACGACAGGAAGAACATGTGAGCAAAAGGCCACGAAAGGCC 997
Db      |||||||
Qy 1843 TCCACAGAATCAGGGGATAACGACAGGAAGAACATGTGAGCAAAAGGCCACGAAAGGCC 1784
Db      |||||||
Qy 998 AGGA 1001
Db      ||||
Qy 1783 AGGA 1780
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Search completed: September 26, 2005, 09:36:07
Job time : 232.731 secs

	Query Match	100.0%;	Score 1001;	DB 9;	Length 32745;
	Best Local Similarity	100.0%;	Pred. No. 5.3e-219;		
	Matches 1001;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	TAAACCTGAAGCATCTCTTCCTATTAAAAAGAAAGTGCTTTTCAAAATATATTAGA	60		
Db	29000	TAAACCTGAAGCATCTCTTCCTATTAAAAAGAAAGTGCTTTTCAAAATATATTAGA	29059		
QY	61	CTCTAACCAAAAAAATTCAAATACCTTTTCCTTTATATGTACATTTAAGAAATAAAAATATA	120		

; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; PRIOR FILING DATE: 2002-10-17
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14947
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Targeting
; OTHER INFORMATION: vector for Rosa26 locus with a Fluc-hygro insert
US-10-685-837-4

Query Match 42.2%; Score 422; DB 21; Length 14947;
Best Local Similarity 95.6%; Pred. No. 3.7e-86;
Matches 434; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
QY 548 CTCGTGCAACGTTATATATATAGTACCTTTTGTTCCTTTAGTGAGGGTTAATT 607
DB 14942 CTCATGGCCATCGATATCTAGATCTCGACAGCTTTTGTTCCTTTAGTGAGGGTTAATT 14883
QY 608 CGAGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 667
DB 14882 GCGCGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 14823
QY 668 ATTCACACAAATACGAGCCGGAAGCATATAAGTGTAAAGCTGGGGTGCCCTAATGAGTG 727
DB 14822 ATTCACACAAATACGAGCCGGAAGCATATAAGTGTAAAGCTGGGGTGCCCTAATGAGTG 14763
QY 728 AGCTAACTCACAATTAATGCGTGGCTCACTGCGCGCTTTCAGTCGGGAACCTGTGCG 787
DB 14762 AGCTAACTCACAATTAATGCGTGGCTCACTGCGCGCTTTCAGTCGGGAACCTGTGCG 14703
QY 788 TGCCAGCTGCATTAATGAATCGGCCAAGCGCGGGGAGAGCGGTTTGGTATTGGGGCGC 847
DB 14702 TGCCAGCTGCATTAATGAATCGGCCAAGCGCGGGGAGAGCGGTTTGGTATTGGGGCGC 14643
QY 848 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCGGAGCGGTA 907
DB 14642 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCGGAGCGGTA 14583
QY 908 TCAGCTCACTCAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACCGCAGGAAG 967
DB 14582 TCAGCTCACTCAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACCGCAGGAAG 14523
QY 968 ACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 14522 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 14489

RESULT 4
US-10-685-837-8/c
; Sequence 8, Application US/10685837
; Publication No. US20050071893A1
; GENERAL INFORMATION:
; APPLICANT: Seibler, Jost
; APPLICANT: Schwenk, Frieder
; APPLICANT: Kuhn, Ralf
; TITLE OF INVENTION: siRNA mediated gene silencing in transgenic animals
; FILE REFERENCE: 022698us JH/BM
; CURRENT APPLICATION NUMBER: US/10/685,837
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US60/420,476
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: US60/467,814
; PRIOR FILING DATE: 2003-05-03
; PRIOR APPLICATION NUMBER: US60/485,969
; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; NUMBER OF SEQ ID NOS: 220

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 15174
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Targeting
; OTHER INFORMATION: vector for Rosa26 locus with a RLuc-U6-shRNA neo
; OTHER INFORMATION: Insert
US-10-685-837-8

Query Match 42.2%; Score 422; DB 21; Length 15174;
Best Local Similarity 95.6%; Pred. No. 3.7e-86;
Matches 434; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
QY 548 CTCGTGCAACGTTATATATATAGTACCTTTTGTTCCTTTAGTGAGGGTTAATT 607
DB 15169 CTCATGGCCATCGATATCTAGATCTCGACAGCTTTTGTTCCTTTAGTGAGGGTTAATT 15110
QY 608 CGAGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 667
DB 15109 GCGCGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 15050
QY 668 ATTCACACAAATACGAGCCGGAAGCATATAAGTGTAAAGCTGGGGTGCCCTAATGAGTG 727
DB 15049 ATTCACACAAATACGAGCCGGAAGCATATAAGTGTAAAGCTGGGGTGCCCTAATGAGTG 14990
QY 728 AGCTAACTCACAATTAATGCGTGGCTCACTGCGCGCTTTCAGTCGGGAACCTGTGCG 787
DB 14989 AGCTAACTCACAATTAATGCGTGGCTCACTGCGCGCTTTCAGTCGGGAACCTGTGCG 14930
QY 788 TGCCAGCTGCATTAATGAATCGGCCAAGCGCGGGGAGAGCGGTTTGGTATTGGGGCGC 847
DB 14929 TGCCAGCTGCATTAATGAATCGGCCAAGCGCGGGGAGAGCGGTTTGGTATTGGGGCGC 14870
QY 848 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCGGAGCGGTA 907
DB 14869 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCGGAGCGGTA 14810
QY 908 TCAGCTCACTCAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACCGCAGGAAG 967
DB 14809 TCAGCTCACTCAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACCGCAGGAAG 14750
QY 968 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 14749 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 14716

RESULT 5
US-10-685-837-6/c
; Sequence 6, Application US/10685837
; Publication No. US20050071893A1
; GENERAL INFORMATION:
; APPLICANT: Seibler, Jost
; APPLICANT: Schwenk, Frieder
; APPLICANT: Kuhn, Ralf
; APPLICANT: Kuter-Luks, Birgit
; TITLE OF INVENTION: siRNA mediated gene silencing in transgenic animals
; FILE REFERENCE: 022698us JH/BM
; CURRENT APPLICATION NUMBER: US/10/685,837
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US60/420,476
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: US60/467,814
; PRIOR FILING DATE: 2003-05-03
; PRIOR APPLICATION NUMBER: US60/485,969
; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 15199

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Targeting
; OTHER INFORMATION: vector for Rosa26 locus with RluC-Hi-shRNA neo
; OTHER INFORMATION: insert
US-10-685-837-6

Query Match      42.2%; Score 422; DB 21; Length 15199;
Best Local Similarity 95.6%; Pred. No. 3.7e-86;
Matches 434; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 548 CTCTGTCACAGTTATATATATGAATAGGTACCCCTTTGTTCCCTTTAGTGAGGGTTAAAT 607
Db 15194 CTCTATGGCCATCGATATCTAGATCTCGACAGCTTTGTTCCCTTTAGTGAGGGTTAAAT 15135

QY 608 CCAGAGCTGGCGTAATCATGGTCAATAGCTGTTTCTGTGTGAAATTTGTTATCCGCTCACA 667
Db 15134 GCGCGCTTGGCGTAATCATGGTCAATAGCTGTTTCTGTGTGAAATTTGTTATCCGCTCACA 15075

QY 668 ATTCACACACATACAGCGCGGAGCATAAAGTGTAAAGCCTGGGGTGCCTAATCAGTG 727
Db 15074 ATTCCACACACATACAGCGCGGAGCATAAAGTGTAAAGCCTGGGGTGCCTAATCAGTG 15015

QY 728 AGCTAACTCACATTAAATTGGGTTGCGCTCACTGCGCGCTTTCCAGTCGGGAAACCTGTGCG 787
Db 15014 AGCTAACTCACATTAAATTGGGTTGCGCTCACTGCGCGCTTTCCAGTCGGGAAACCTGTGCG 14955

QY 788 TGCAGCTGCAATTAATGAATCGGCCAACGCGCGGGAGAGCGGGTTTGGTATTTGGGCGC 847
Db 14954 TGCAGCTGCAATTAATGAATCGGCCAACGCGCGGGAGAGCGGGTTTGGTATTTGGGCGC 14895

QY 848 TCCTTCGCTTCTCGCTCACTGACTCGCTCGGCTCGGCTCGGCTCGGCTCGGCGAGCGGTA 907
Db 14894 TCCTTCGCTTCTCGCTCACTGACTCGCTCGGCTCGGCTCGGCTCGGCGAGCGGTA 14835

QY 908 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATACCGCAGGAAAG 967
Db 14834 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATACCGCAGGAAAG 14775

QY 968 AACATGTGAGCAAAAGCCAGCAAAAGCCAGGA 1001
Db 14774 AACATGTGAGCAAAAGCCAGCAAAAGCCAGGA 14741

RESULT 6
US-09-943-722-128/c
; Sequence 128, Application US/09943722
; Publication No. US20020192660A1
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,722
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; US-09-943-722-128

Query Match      42.1%; Score 421.2; DB 9; Length 7228;
Best Local Similarity 99.3%; Pred. No. 4.1e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 635
Db 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTCTATAGC 6474

QY 636 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAATTCACACACATACGAGCGGGAAGCA 695
Db 6473 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAATTCACACACATACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACAATTAATTCGGTTCGGCT 755
Db 6413 TAAAGTGTAAAGCTGGGGTGCCTAATGAGTGAGCTAACTCACAATTAATTCGGTTCGGCT 6354

QY 756 CACTGCCCGCTTTCCAGTCGCGAAACCTCTGTGCCAGCTGCATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCCGCTTTCCAGTCGCGAAACCTCTGTGCCAGCTGCATTAATGAATCGGCCAAC 6294

QY 816 GCGCGGGAGAGCGGTTTGGCGTATTTGGCGCTCTTTCGCTTCTCGCTCACTGACTCGC 875
Db 6293 GCGCGGGAGAGCGGTTTGGCGTATTTGGCGCTCTTTCGCTTCTCGCTCACTGACTCGC 6234

QY 876 TGGCTCGGCTGTTTGGCTGCGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 935
Db 6233 TGGCTCGGCTGTTTGGCTGCGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGCT 6174

QY 936 TATCCACAGAAATCAGGGGATTAACGAGGAAAGAAACATGTGAGCAAAAGCGCAGCAAAAG 995
Db 6173 TATCCACAGAAATCAGGGGATTAACGAGGAAAGAAACATGTGAGCAAAAGCGCAGCAAAAG 6114

QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 7
US-09-943-722-129/c
; Sequence 129, Application US/09943722
; Publication No. US20020192660A1
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
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Db 6293 GCGGGGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTCCTCGCTCACTGACTCGC 6234
Qy TGGCTCGTCTGTTCCGGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935
Db TGGCTCGTCTGTTCCGGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 6174
Qy TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
Qy 996 CCAGGA 1001
Db 6113 CCAGGA 6108
RESULT 9
US-10-480-793-6/c
; Sequence 6, Application US/10480793
; Publication No. US20040241181A1
; GENERAL INFORMATION:
; APPLICANT: The Wistar Institute of Anatomy and Biology
; APPLICANT: The Trustees of The University of Pennsylvania
; APPLICANT: Ertl, Hildegund C.J.
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Methods of Inducing a Cytotoxic Immune Response and Recombinant S
; FILE REFERENCE: WST104A/UPNN2628A
; CURRENT APPLICATION NUMBER: US/10/480,793
; PRIOR FILING DATE: 2003-12-19
; PRIOR FILING DATE: 2001-06-22
; PRIOR FILING DATE: 2001-06-22
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 7228
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified HIV-1 gag sequence
; NAME/KEY: CDS
; LOCATION: (729)..(1820)
; OTHER INFORMATION:
US-10-480-793-6
Query Match 42.1%; Score 421.2; DB 20; Length 7228;
Best Local Similarity 99.3%; Pred. No. 4.1e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 635
Db 6533 GCAGCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 6474
Qy 636 TGTTCCTCTGTGAAATTTGTTATCCGCTCAAAATTCACACAAACATACGAGCGCGAAGCA 695
Db 6473 TGTTCCTCTGTGAAATTTGTTATCCGCTCAAAATTCACACAAACATACGAGCGCGAAGCA 6414
Qy 696 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 755
Db 6413 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 6354
Qy 756 CACTGCCGCTTTCCAGTCGGGAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCGCTTTCCAGTCGGGAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 6294
Qy 816 GCGGGGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 6293 GCGGGGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 6234
Qy 876 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935

Db 6233 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 6174
Qy 936 TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
Qy 996 CCAGGA 1001
Db 6113 CCAGGA 6108
RESULT 10
US-09-872-733-8/c
; Sequence 8, Application US/09872733
; Patent No. US20010036655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construc pmBwCnLuci
US-09-872-733-8
Query Match 42.1%; Score 421.2; DB 9; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 635
Db 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 8183
Qy 636 TGTTCCTCTGTGAAATTTGTTATCCGCTCAAAATTCACACAAACATACGAGCGCGAAGCA 695
Db 8182 TGTTCCTCTGTGAAATTTGTTATCCGCTCAAAATTCACACAAACATACGAGCGCGAAGCA 8123
Qy 696 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 755
Db 8122 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 8063
Qy 756 CACTGCCGCTTTCCAGTCGGGAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 815
Db 8062 CACTGCCGCTTTCCAGTCGGGAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 8003
Qy 816 GCGGGGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 8002 GCGGGGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 7943
Qy 876 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935
Db 7942 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 7883
Qy 936 TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db 7882 TATCCACAGAAATCAGGGGATAACGACAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 7823
Qy 996 CCAGGA 1001
Db 7822 CCAGGA 7817

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RESULT 11
US-09-872-733-9/c
; Sequence 9, Application US/09872733
; Patent No. US2001003655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: from transfer construct pmBmCnLuci
US-09-872-733-9

Query Match 42.1%; Score 421.2; DB 9; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 635
DB 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 8183

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 635
DB 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 8183

QY 636 TGTTCCTCTGTGTAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCA 695
DB 8182 TGTTCCTCTGTGTAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCA 8123

QY 696 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCAATTAATGGTTGCGCT 755
DB 8122 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCAATTAATGGTTGCGCT 8063

QY 756 CACTGCCCGCTTTCAGTCGGGAACCTGTGTCGAGCTGATTAATGAATCGGCCAAC 815
DB 8062 CACTGCCCGCTTTCAGTCGGGAACCTGTGTCGAGCTGATTAATGAATCGGCCAAC 8003

QY 816 GCGCGGGGAGAGCGGTTTGGCGTATTTGGCGCTTTTCGGCTTTCCTCGCTCACTGACTCGC 875
DB 8002 GCGCGGGGAGAGCGGTTTGGCGTATTTGGCGCTTTTCGGCTTTCCTCGCTCACTGACTCGC 7943

QY 876 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 935
DB 7942 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 7883

QY 936 TATCCACAGATCAGGGGATACCGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 995
DB 7882 TATCCACAGATCAGGGGATACCGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 7823

QY 996 CCAGGA 1001
DB 7822 CCAGGA 7817

RESULT 12
US-10-263-020-8/c
; Sequence 8, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
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; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBmCnLuci
US-10-263-020-9

Query Match      42.1%; Score 421.2; DB 14; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC 635
DB 8242 GCAGCTTTTGTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC 8183

QY 636 TGTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAACTACGAGCCGGAAGCA 695
DB 8182 TGTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAACTACGAGCCGGAAGCA 8123

QY 696 TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT 755
DB 8122 TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT 8063

QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 815
DB 8062 CACTGCCCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAAC 8003

QY 816 GCGCGGGAGAGCGGTTTGGCGTATTGGGCGCTCTTCCGCTTCTCGCTCAGTACTCGC 875
DB 8002 GCGCGGGAGAGCGGTTTGGCGTATTGGGCGCTCTTCCGCTTCTCGCTCAGTACTCGC 7943

QY 876 TCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 935
DB 7942 TCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 7883

QY 936 TATCCACAGAAATCAGGGGATAACGCGAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 7882 TATCCACAGAAATCAGGGGATAACGCGAGGAAAGCAATGTGAGCAAAAGGCCAGCAAAAGG 7823

QY 996 CCAGGA 1001
DB 7822 CCAGGA 7817

RESULT 15
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; Sequence 9, Application US/10644027
; Publication No. US20040077577A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, HIV GAG AND
; FILE OF INVENTION: HIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, HIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/644,027
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/872,733A
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBmCnLuci
US-10-644-027-9

Query Match      42.1%; Score 421.2; DB 18; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC 635
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Qy	696	TAAAGTGTAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAAATTGGTTGCGCT	755
Db	8122	TAAAGTGTAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAAATTGGTTGCGCT	8063
Qy	756	CACTGCCCGCTTTCCAGTCGGGAAACCTGTGTCGAGCTGCATTAAATGAATCGGCCAAC	815
Db	8062	CACTGCCCGCTTTCCAGTCGGGAAACCTGTGTCGAGCTGCATTAAATGAATCGGCCAAC	8003
Qy	816	GCGCGGGAGAGCGGTTTTCGCTATTGGCGCTCTTTCGCTTCTCGCTCACTGACTCGC	875
Db	8002	GCGCGGGAGAGCGGTTTTCGCTATTGGCGCTCTTTCGCTTCTCGCTCACTGACTCGC	7943
Qy	876	TGCGCTCGGTTCGGCTGCGCGGAGCGGTATCAGCTCACTCAAGGCGGTAATACGGT	935
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Qy	936	TATCCACAGAAATCAGGGGATAACGCAGGAAAGACATGTGACAAAGGCCAGCAAAAGG	995
Db	7882	TATCCACAGAAATCAGGGGATAACGCAGGAAAGACATGTGACAAAGGCCAGCAAAAGG	7823
Qy	996	CCAGGA 1001	
Db	7822	CCAGGA 7817	

Search completed: September 26, 2005, 17:25:23
Job time : 1001.64 secs

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